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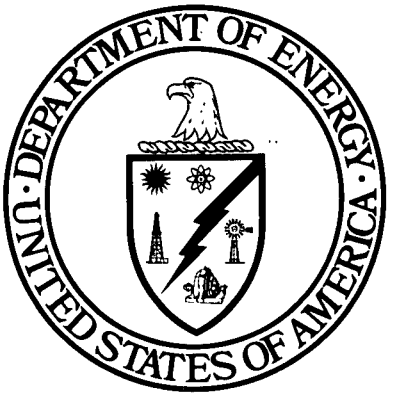
August 1979

SEARLES

Monthly Energy Review



U.S. Department of Energy
Energy Information Administration

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Energy Consumption—March 1975
Nuclear Power—April 1975
The Price of Crude Oil—June 1975
U.S. Coal Resources and Reserves—July 1975
Propane, A National Energy Resource—September 1975
Short-Term Energy Supply and Demand Forecasting at FEA—October 1975
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Motor Gasoline Supply and Demand—July 1977
Short-Term Petroleum Supply and Demand—May 1978
The Energy Requirements of U.S. Agriculture—July 1979

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Part 1 Executive Summary

Overview

Domestic energy production in May 1979 was 5.5 quadrillion Btu, 5.0 percent higher than in April, and 0.1 percent lower than a year ago. In May 1979 total domestic energy was produced from the following resources: coal, 1.6 quadrillion Btu, or 29.8 percent of the total; dry natural gas, 1.6 quadrillion Btu, or 29.5 percent; crude oil 1.5 quadrillion Btu, or 28.2 percent; and 0.7 quadrillion Btu or 12.5 percent from the sum of hydroelectric power, nuclear electric power, natural gas plant liquids, and electricity produced from geothermal power and wood and waste.

While the United States produced a total of 5.5 quadrillion Btu of energy in May 1979, it consumed a total of 6.2 quadrillion Btu of energy. This was 0.4 percent higher than in April, and 0.2 percent higher than a year ago. Petroleum consumption was 3.1 quadrillion Btu, representing 49.9 percent of the total U.S. consumption. Natural gas consumption was 1.4 quadrillion Btu, or 22.6 percent of the total. Coal consumption was 1.2 quadrillion Btu, or 19.4 percent of the total. All remaining fuels provided 0.5 quadrillion Btu, or 8.1 percent of the total consumption.

Energy imports in May 1979 totaled 1.5 quadrillion Btu and supplied 23.6 percent of consumed energy in May. The May 1979 total import figure is 0.2 percent lower than a year ago. The United States exported 0.3 quadrillion Btu of energy in May, and had a domestic net import total of 1.2 quadrillion Btu. Crude oil accounted for 1.0 quadrillion Btu of the total net imports, while petroleum products accounted for 0.3 quadrillion Btu. Natural gas, electricity, and coal coke contributed small amounts to the net import total. Coal exports exceeded coal imports, causing coal to appear as a net export item of 0.2 quadrillion Btu.

Executive Summary

Domestic Energy Summary

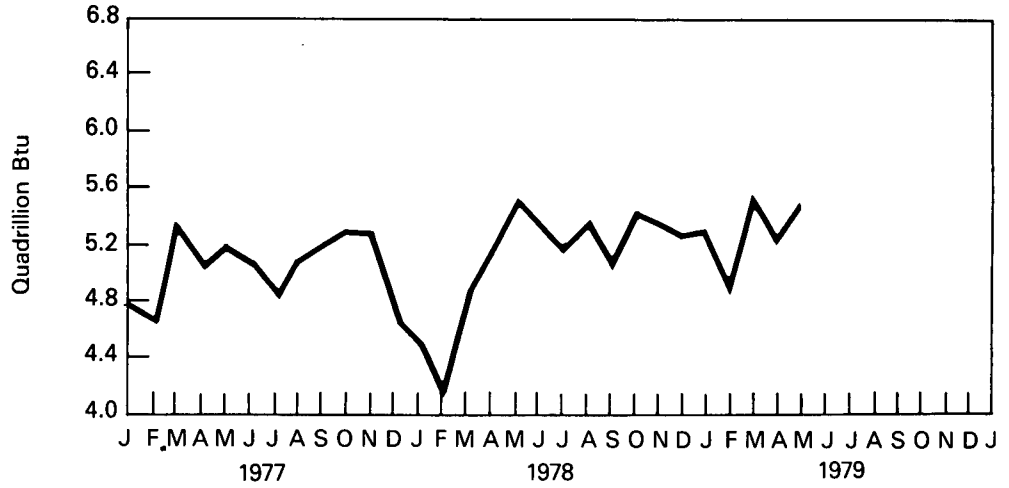
		Domestic Energy Production[1]	Domestic Energy Consumption[2]	Energy Imports[3]	Energy Exports[4]
			Quadrillion (10^{15}) Btu		
1973	**TOTAL**	**62.431**	**74.605**	**14.732**	**2.073**
1974	**TOTAL**	**61.228**	**72.756**	**14.417**	**2.241**
1975	**TOTAL**	**60.057**	**70.706**	**14.114**	**2.389**
1976	**TOTAL**	**60.091**	**74.513**	**16.840**	**2.213**
1977	January	4.798	7.732	1.722	0.103
	February	4.649	6.554	1.749	0.130
	March	5.353	6.453	1.821	0.139
	April	5.035	5.870	1.634	0.200
	May	5.172	5.876	1.660	0.215
	June	5.089	5.967	1.665	0.214
	July	4.853	6.073	1.745	0.199
	August	5.059	6.171	1.654	0.169
	September	5.220	5.960	1.605	0.197
	October	5.288	6.160	1.632	0.191
	November	5.280	6.386	1.537	0.175
	December	4.635	7.334	1.665	0.164
	TOTAL	**60.431**	**76.536**	**20.091**	**2.097**
1978	January	4.488	7.611	1.588	0.079
	February	4.144	6.932	1.409	0.058
	March	4.863	6.817	1.644	0.066
	April	5.146	6.006	1.441	0.135
	May	5.480	6.165	1.460	0.186
	June	5.309	5.994	1.503	0.225
	July	5.169	6.179	1.585	0.165
	August	5.363	6.315	1.588	0.179
	September	5.025	5.944	1.676	0.186
	October	5.418	6.293	1.612	0.228
	November	5.334	6.557	1.636	0.243
	December	5.284	7.338	1.802	0.214
	TOTAL	**61.023**	**78.151**	**18.944**	**1.964**
1979	January	R5.289	7.913	1.752	0.175
	February	R4.898	R7.229	R1.512	R0.161
	March	R5.525	R6.978	1.676	R0.221
	April	5.215	R6.153	R1.496	R0.235
	May	5.475	6.179	1.457	0.264
	TOTAL (Year to date)	**26.403**	**34.451**	**7.893**	**1.056**

[1]See Explanatory Note 1.
[2]See Explanatory Note 2.
[3]See Explanatory Note 3.
[4]See Explanatory Note 4.
R=Revised data.
Source: • Energy Information Administration calculations based on data appearing elsewhere in this publication.

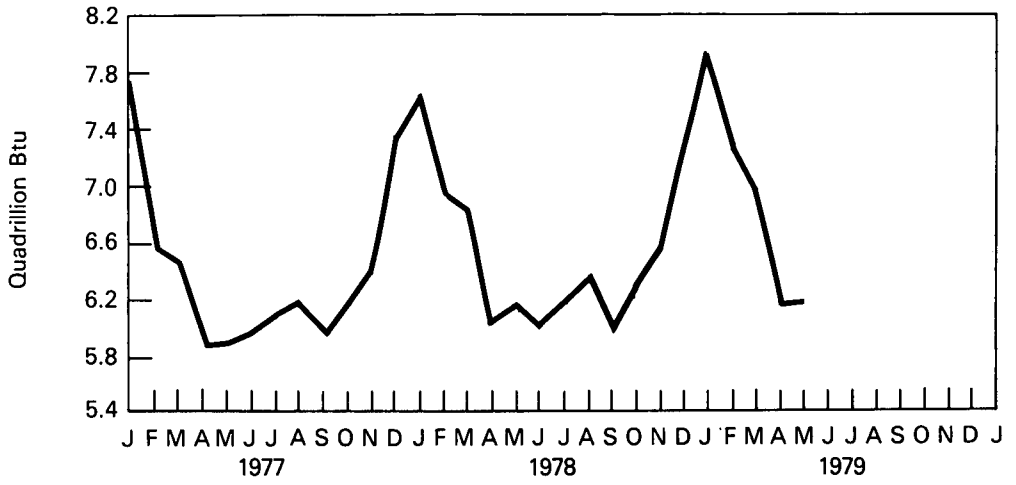
Executive Summary

Domestic Energy Summary

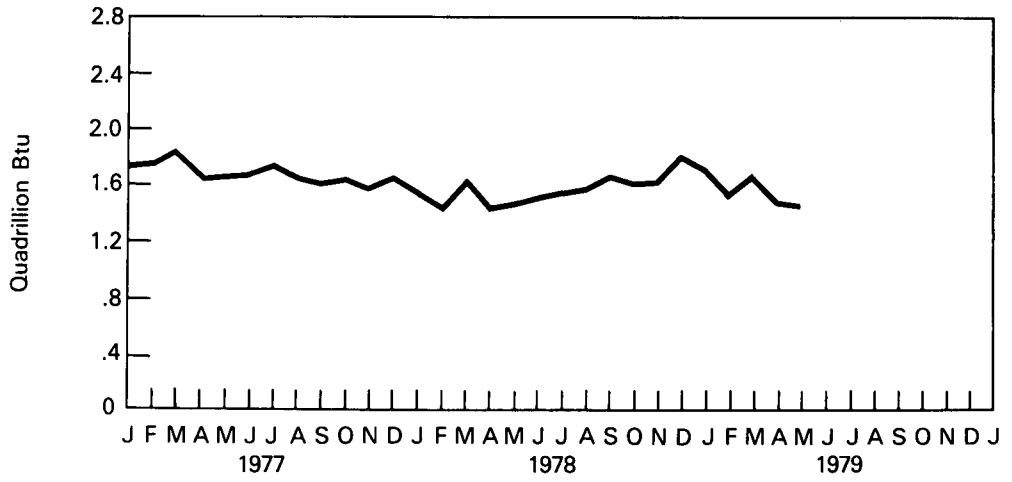
Domestic Production of Energy



Domestic Consumption of Energy



Imports of Energy



Executive Summary

Domestic Energy Production by Primary Energy Type

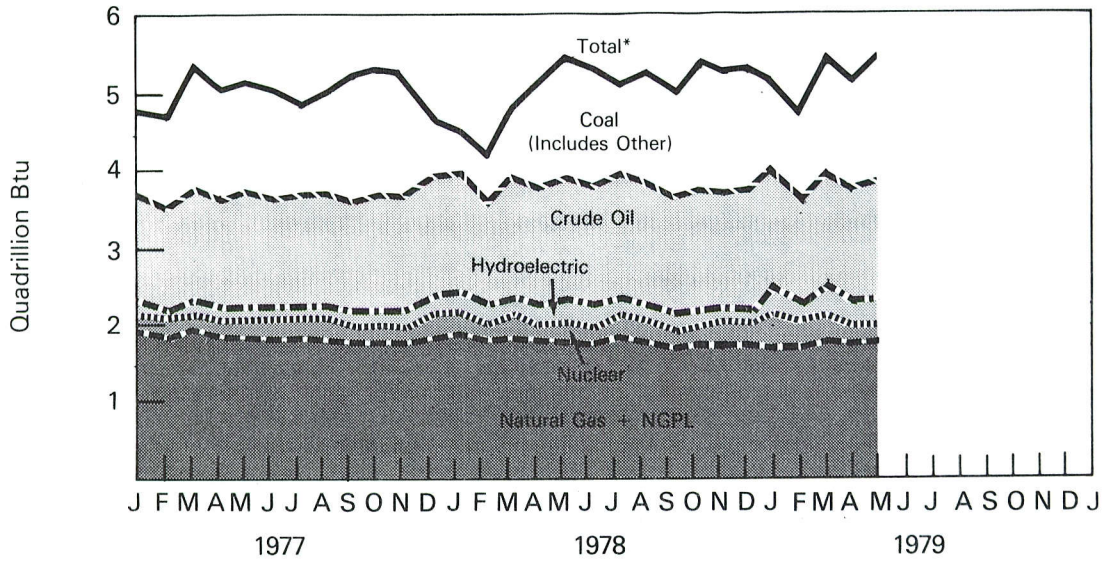
		Coal[1]	Crude Oil[2]	NGPL[3]	Natural Gas (dry)	Hydro-electric Power[4]	Nuclear Electric Power	Other[5]	Total
					Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**14.366**	**19.493**	**2.569**	**22.187**	**2.859**	**0.910**	**0.046**	**62.431**
1974	**TOTAL**	**14.468**	**18.575**	**2.471**	**21.211**	**3.175**	**1.272**	**0.056**	**61.228**
1975	**TOTAL**	**15.189**	**17.729**	**2.374**	**19.641**	**3.152**	**1.900**	**0.072**	**60.057**
1976	**TOTAL**	**15.853**	**17.262**	**2.327**	**19.480**	**2.976**	**2.111**	**0.081**	**60.091**
1977	January	1.032	1.412	0.189	1.700	0.219	0.239	0.007	4.798
	February	1.137	1.322	0.175	1.636	0.161	0.211	0.006	4.649
	March	1.542	1.455	0.206	1.710	0.210	0.223	0.007	5.353
	April	1.397	1.417	0.197	1.606	0.198	0.214	0.006	5.035
	May	1.443	1.452	0.198	1.653	0.198	0.222	0.007	5.172
	June	1.457	1.410	0.191	1.610	0.183	0.232	0.007	5.089
	July	1.144	1.457	0.197	1.636	0.178	0.235	0.007	4.853
	August	1.335	1.494	0.195	1.607	0.177	0.245	0.006	5.059
	September	1.603	1.475	0.187	1.561	0.174	0.211	0.007	5.220
	October	1.561	1.542	0.199	1.591	0.182	0.205	0.007	5.288
	November	1.592	1.493	0.192	1.569	0.216	0.210	0.007	5.280
	December	0.719	1.526	0.200	1.687	0.241	0.256	0.007	4.635
	TOTAL	**15.964**	**17.454**	**2.327**	**19.565**	**2.337**	**2.702**	**0.082**	**60.431**
1978	January	0.539	1.501	0.190	1.707	0.265	0.278	0.007	4.488
	February	0.546	1.360	0.172	1.588	0.237	0.235	0.006	4.144
	March	0.900	1.583	0.194	1.679	0.260	0.242	0.005	4.863
	April	1.375	1.515	0.191	1.604	0.267	0.189	0.004	5.146
	May	1.587	1.582	0.187	1.597	0.303	0.220	0.004	5.480
	June	1.516	1.535	0.187	1.561	0.265	0.239	0.005	5.309
	July	1.241	1.573	0.190	1.633	0.258	0.269	0.005	5.169
	August	1.487	1.580	0.190	1.590	0.234	0.276	0.006	5.363
	September	1.336	1.529	0.183	1.508	0.224	0.239	0.007	5.025
	October	1.614	1.588	0.188	1.569	0.207	0.248	0.005	5.418
	November	1.599	1.519	0.189	1.543	0.211	0.268	0.006	5.334
	December	1.378	1.555	0.191	1.645	0.233	0.274	0.007	5.284
	TOTAL	**15.117**	**18.420**	**2.255**	**19.222**	**2.964**	**2.977**	**0.068**	**61.023**
1979	January	R1.304	1.521	0.214	1.681	0.265	0.299	0.007	R5.289
	February	R1.236	1.380	R0.188	1.584	0.225	0.279	0.006	R4.898
	March	R1.510	1.543	R0.216	R1.711	0.274	0.262	0.008	R5.525
	April	1.461	1.500	0.209	1.572	0.268	0.198	0.007	5.215
	May	1.631	1.546	0.209	1.613	0.306	0.162	0.007	5.475
	TOTAL (Year to date)	**7.142**	**7.490**	**1.036**	**8.161**	**1.338**	**1.201**	**0.034**	**26.403**

[1] Includes bituminous coal, lignite and anthracite coal.
[2] Includes lease condensate.
[3] Natural gas plant liquids.
[4] Includes industrial and utility production of hydropower.
[5] Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • Energy Information Administration calculations based on data reported elsewhere in this publication.

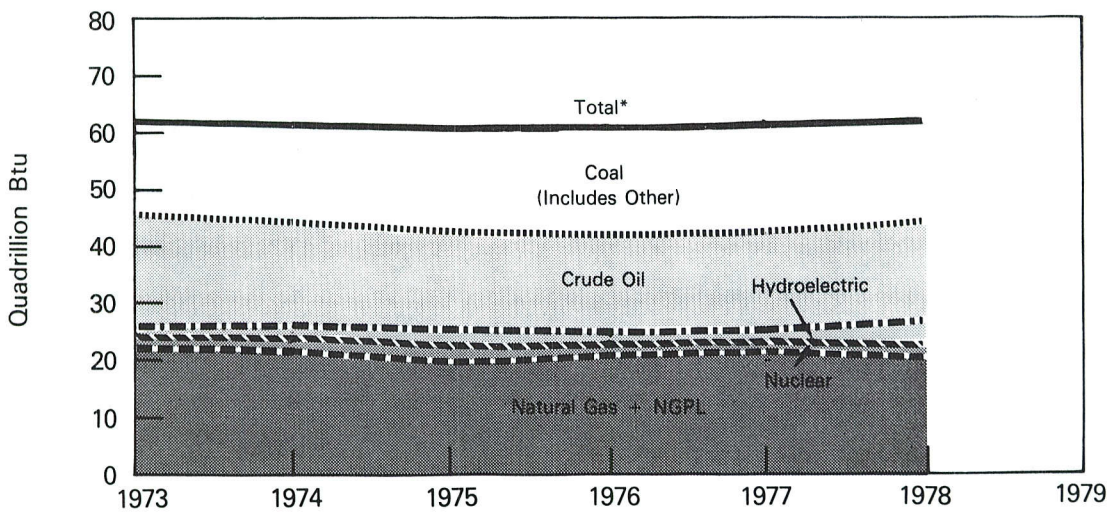
Executive Summary

Energy Production (Primary Energy Type)

Monthly



Yearly



*Btu equivalents for all fuels are cumulated to create total.

Executive Summary

Domestic Energy Consumption by Primary Energy Type

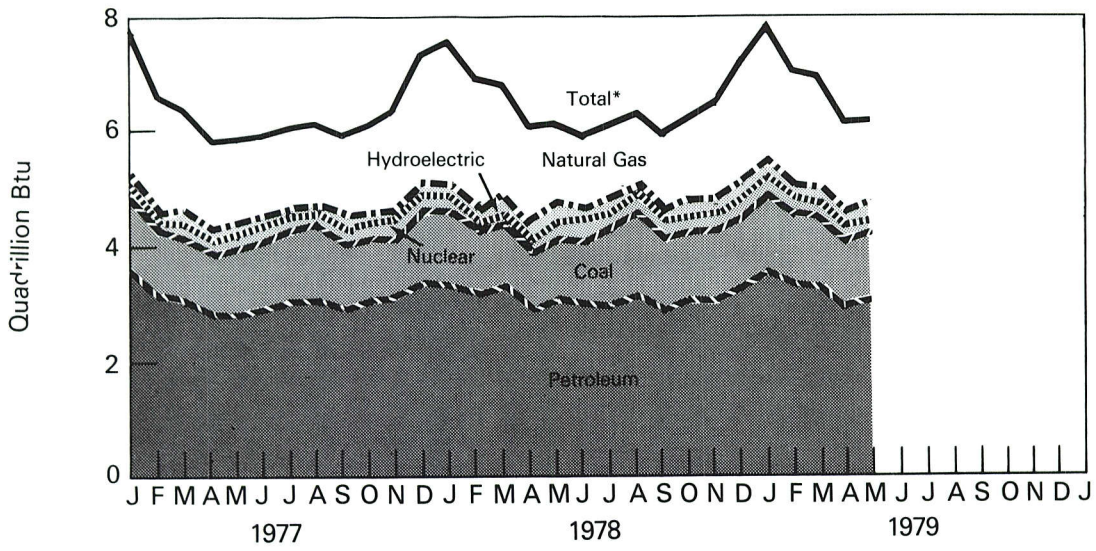
		Coal[1]	Natural Gas (dry)	Petro-leum	Hydro-electric Power[2]	Nuclear Electric Power	Net Coke Imports[3]	Other[4]	Total	Yearly Cumulative Total
					Quadrillion (10^{15}) Btu					
1973	**TOTAL**	**13.300**	**22.512**	**34.837**	**3.008**	**0.910**	**(0.008)**	**0.046**	**74.605**	
1974	**TOTAL**	**12.876**	**21.732**	**33.454**	**3.307**	**1.272**	**0.059**	**0.056**	**72.756**	
1975	**TOTAL**	**12.823**	**19.948**	**32.732**	**3.217**	**1.900**	**0.014**	**0.072**	**70.706**	
1976	January	1.214	2.337	3.182	0.281	0.178	(0.001)	0.007	7.198	7.198
	February	1.075	1.977	2.795	0.265	0.159	(0.001)	0.007	6.276	13.473
	March	1.115	1.755	2.952	0.286	0.155	(0.002)	0.007	6.269	19.743
	April	1.066	1.538	2.753	0.261	0.121	(0.002)	0.007	5.743	25.486
	May	1.072	1.463	2.726	0.275	0.132	(0.003)	0.006	5.671	31.157
	June	1.111	1.362	2.778	0.276	0.174	(0.002)	0.007	5.705	36.863
	July	1.184	1.399	2.834	0.280	0.196	0.000	0.007	5.900	42.763
	August	1.193	1.343	2.840	0.257	0.203	0.001	0.007	5.845	48.608
	September	1.094	1.328	2.780	0.221	0.191	0.001	0.007	5.621	54.229
	October	1.132	1.653	2.916	0.228	0.192	0.006	0.007	6.134	60.363
	November	1.189	1.912	3.112	0.216	0.178	0.001	0.006	6.615	66.978
	December	1.288	2.277	3.508	0.220	0.233	0.002	0.007	7.535	74.513
	TOTAL	**13.733**	**20.345**	**35.178**	**3.065**	**2.111**	**0.000**	**0.081**	**74.513**	
1977	January	1.283	2.458	3.513	0.234	0.239	(0.002)	0.007	7.732	7.732
	February	1.137	1.854	3.169	0.176	0.211	0.000	0.006	6.554	14.285
	March	1.144	1.751	3.105	0.225	0.223	(0.002)	0.007	6.453	20.739
	April	1.055	1.469	2.914	0.213	0.214	(0.002)	0.006	5.870	26.609
	May	1.118	1.408	2.907	0.213	0.222	0.000	0.007	5.876	32.485
	June	1.178	1.361	2.991	0.198	0.232	0.000	0.007	5.967	38.451
	July	1.274	1.353	3.010	0.193	0.235	0.002	0.007	6.073	44.525
	August	1.248	1.393	3.086	0.192	0.245	0.001	0.006	6.171	50.696
	September	1.151	1.457	2.937	0.189	0.211	0.007	0.007	5.960	56.656
	October	1.143	1.550	3.053	0.198	0.205	0.004	0.007	6.160	62.816
	November	1.155	1.725	3.057	0.231	0.210	0.001	0.007	6.386	69.202
	December	1.222	2.152	3.435	0.256	0.256	0.006	0.007	7.334	76.536
	TOTAL	**14.110**	**19.931**	**37.176**	**2.519**	**2.702**	**0.015**	**0.082**	**76.536**	
1978	January	1.236	2.435	3.373	0.280	0.278	0.001	0.007	7.611	7.611
	February	1.048	2.160	3.230	0.252	0.235	0.001	0.006	6.932	14.543
	March	0.998	1.929	3.362	0.276	0.242	0.005	0.005	6.817	21.359
	April	1.037	1.545	2.937	0.282	0.189	0.012	0.004	6.006	27.366
	May	1.110	1.381	3.106	R0.319	0.220	0.025	0.004	6.165	33.531
	June	1.184	1.248	3.029	0.280	0.239	0.009	0.005	5.994	39.525
	July	1.261	1.335	3.020	0.273	0.269	0.015	0.005	6.179	45.704
	August	1.302	1.280	3.188	0.249	0.276	0.013	0.006	6.315	52.019
	September	1.228	1.248	2.973	0.239	0.239	0.012	0.007	5.944	R57.964
	October	1.191	1.459	3.153	0.222	0.248	0.015	0.005	6.293	64.256
	November	1.188	1.678	3.179	0.226	0.268	0.013	0.006	6.557	R70.814
	December	1.288	2.099	3.412	0.248	0.274	0.009	0.007	7.338	78.151
	TOTAL	**14.070**	**19.797**	**37.964**	**3.145**	**2.977**	**0.131**	**0.068**	**78.151**	
1979	January	1.360	2.427	3.536	0.280	0.299	0.004	0.007	7.913	7.913
	February	1.213	2.215	R3.273	0.240	0.279	0.003	0.006	R7.229	R15.142
	March	1.224	R1.925	3.268	0.289	0.262	0.002	0.008	R6.978	R22.119
	April	R1.145	1.552	2.963	0.283	0.198	0.005	0.007	R6.153	R28.272
	May	1.197	1.399	3.081	0.322	0.162	0.011	0.007	6.179	34.451
	TOTAL (Year to date)	**6.139**	**9.517**	**16.121**	**1.414**	**1.201**	**0.026**	**0.034**	**34.451**	

[1] Includes bituminous coal, lignite, and anthracite coal.
[2] Includes industrial and utility production, and net imports of electricity.
[3] Coke made from coal. Parentheses indicate exports are greater than imports.
[4] Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • Energy Information Administration calculations based on data reported elsewhere in this publication.

Executive Summary

Energy Consumption (Primary Energy Type)

Monthly



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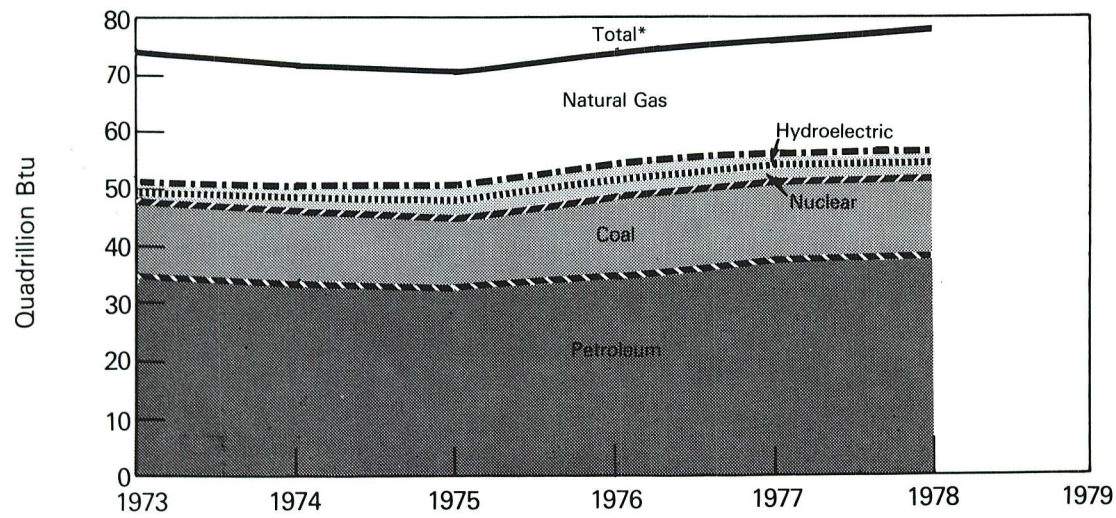


*Btu equivalents for all fuels are cumulated to create total.

Executive Summary

Domestic Energy Consumption by Economic Sector[1]

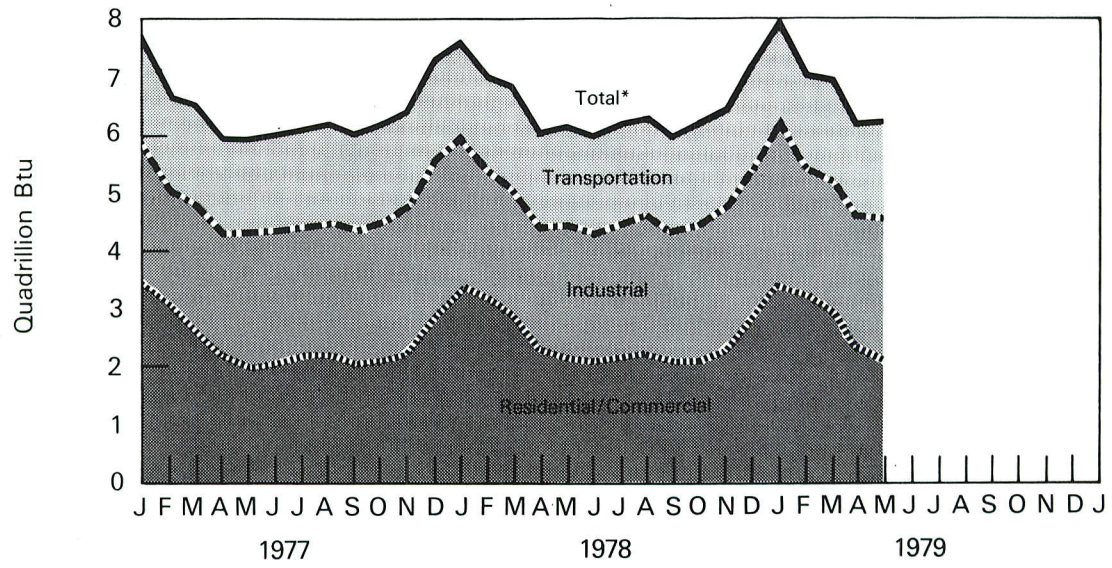
		Residential/ Commercial	Industrial	Transportation	Total
			Quadrillion (10^{15}) Btu		
1973	**TOTAL**	**26.534**	**29.144**	**18.927**	**74.605**
1974	**TOTAL**	**25.912**	**28.430**	**18.414**	**72.756**
1975	**TOTAL**	**25.981**	**26.207**	**18.518**	**70.706**
1976	January	3.123	2.429	1.646	7.198
	February	2.690	2.109	1.477	6.276
	March	2.430	2.201	1.639	6.269
	April	2.083	2.070	1.590	5.743
	May	1.913	2.197	1.561	5.671
	June	1.858	2.241	1.607	5.705
	July	1.967	2.290	1.644	5.900
	August	1.972	2.273	1.599	5.845
	September	1.832	2.223	1.567	5.621
	October	1.944	2.581	1.609	6.134
	November	2.367	2.593	1.655	6.615
	December	3.002	2.719	1.814	7.535
	TOTAL	**27.180**	**27.924**	**19.408**	**74.513**
1977	January	3.349	2.636	1.746	7.732
	February	2.901	2.050	1.603	6.554
	March	2.447	2.336	1.670	6.453
	April	2.052	2.182	1.636	5.870
	May	1.882	2.377	1.617	5.876
	June	1.927	2.381	1.659	5.967
	July	2.077	2.319	1.678	6.073
	August	2.072	2.400	1.699	6.171
	September	1.916	2.421	1.623	5.960
	October	1.959	2.541	1.660	6.160
	November	2.158	2.574	1.654	6.386
	December	2.804	2.706	1.823	7.334
	TOTAL	**27.545**	**28.923**	**20.068**	**76.536**
1978	January	3.205	2.689	1.717	7.611
	February	3.063	2.236	1.633	6.932
	March	2.788	2.235	1.795	6.817
	April	2.184	2.194	1.628	6.006
	May	R2.054	R2.363	1.748	6.165
	June	1.980	2.301	1.713	5.994
	July	2.112	2.375	1.692	6.179
	August	2.123	2.412	1.780	6.315
	September	1.983	2.331	1.630	5.944
	October	1.995	2.574	1.723	6.293
	November	2.232	2.597	1.728	6.557
	December	2.807	2.711	1.819	7.338
	TOTAL	**R28.525**	**R29.019**	**20.606**	**78.151**
1979	January	3.376	2.753	1.784	7.913
	February	R3.207	R2.336	R1.686	R7.229
	March	2.797	R2.441	R1.740	R6.978
	April	2.334	R2.220	1.599	R6.153
	May	2.090	2.436	1.654	6.179
	TOTAL (Year to date)	**13.803**	**12.185**	**8.462**	**34.451**

[1]See Explanatory Note 5 for definitions of the Residential/Commercial, Industrial, and Transportation sectors. The methodology used for sector calculations is provided in the footnotes on page 22.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • See footnotes on page 22.

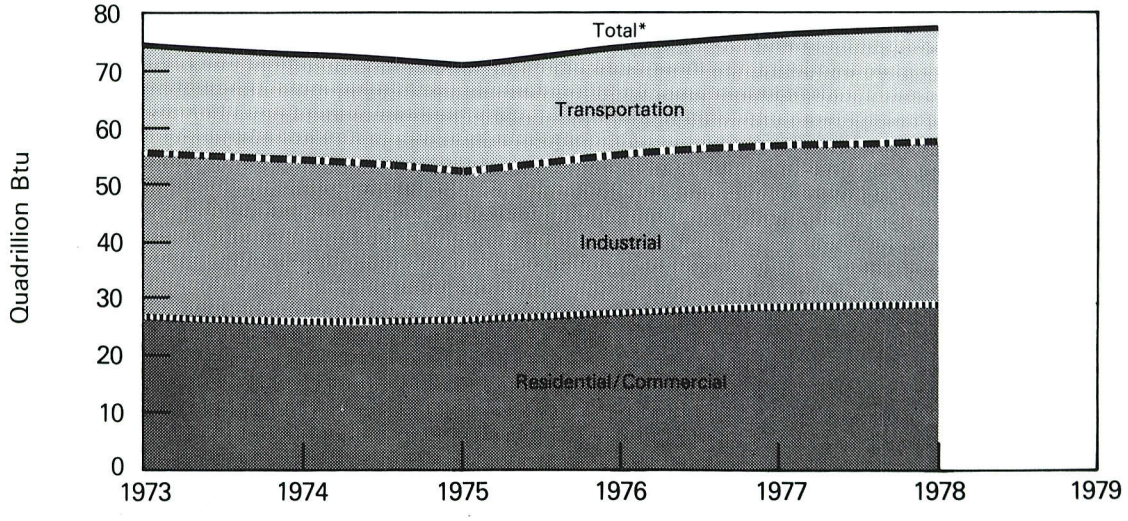
Executive Summary

Energy Consumption (Economic Sector)

Monthly



Yearly



*Btu consumption for all sectors is cumulated to create total.

Executive Summary

Domestic Net Imports of Energy[1]

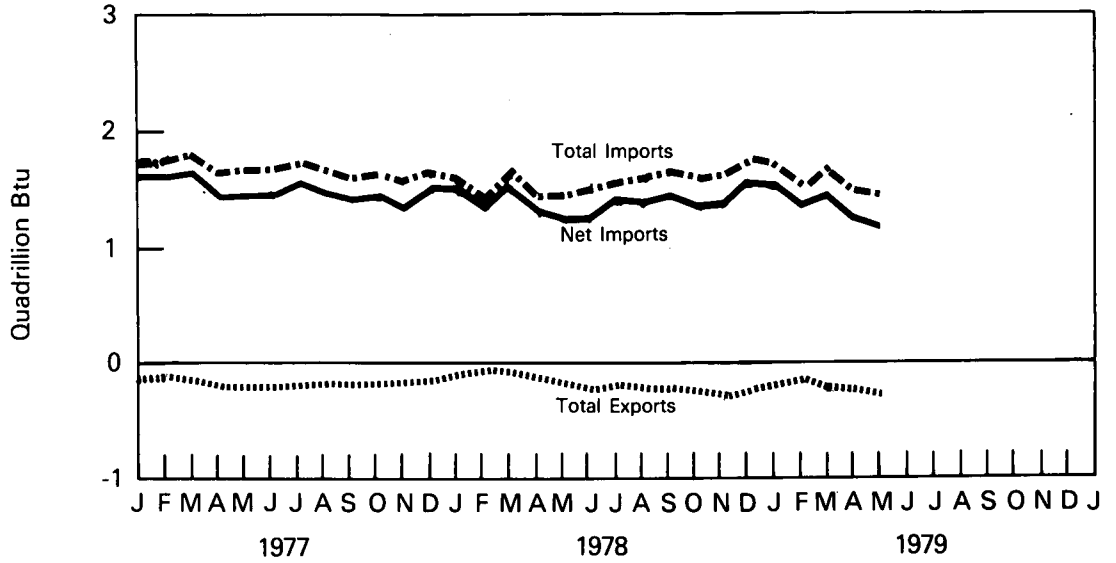
		Coal[2]	Crude Oil[3]	Refined Petroleum Products[4]	Natural Gas (Dry)	Electricity[5]	Coke[6]	Net Imports
				Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**(1.443)**	**6.883**	**6.097**	**0.981**	**0.148**	**(0.008)**	**12.659**
1974	**TOTAL**	**(1.585)**	**7.389**	**5.273**	**0.907**	**0.133**	**0.059**	**12.175**
1975	**TOTAL**	**(1.766)**	**8.709**	**3.799**	**0.904**	**0.064**	**0.014**	**11.725**
1976	**TOTAL**	**(1.590)**	**11.222**	**3.982**	**0.922**	**0.089**	**0.000**	**14.626**
1977	January	(0.056)	1.129	0.448	0.084	0.015	(0.002)	1.619
	February	(0.082)	1.074	0.524	0.090	0.014	0.000	1.619
	March	(0.092)	1.201	0.460	0.100	0.015	(0.002)	1.682
	April	(0.148)	1.186	0.301	0.083	0.015	(0.002)	1.435
	May	(0.153)	1.212	0.285	0.085	0.015	0.000	1.445
	June	(0.161)	1.230	0.294	0.073	0.015	0.000	1.451
	July	(0.138)	1.263	0.335	0.068	0.015	0.002	1.545
	August	(0.114)	1.145	0.364	0.073	0.015	0.001	1.485
	September	(0.134)	1.105	0.343	0.072	0.015	0.007	1.408
	October	(0.126)	1.156	0.311	0.082	0.015	0.004	1.442
	November	(0.119)	1.094	0.288	0.083	0.015	0.001	1.362
	December	(0.100)	1.127	0.366	0.087	0.015	0.006	1.501
	TOTAL	**(1.424)**	**13.921**	**4.320**	**0.981**	**0.182**	**0.015**	**17.995**
1978	January	(0.021)	1.079	0.350	0.084	0.015	0.001	1.509
	February	(0.012)	0.919	0.354	0.075	0.014	0.001	1.351
	March	(0.004)	1.090	0.388	0.084	0.015	0.005	1.579
	April	(0.060)	0.932	0.330	0.077	0.015	0.012	1.306
	May	(0.113)	0.984	0.289	0.074	0.015	0.025	1.274
	June	(0.139)	1.077	0.252	0.064	0.015	0.009	1.278
	July	(0.089)	1.090	0.322	0.066	0.015	0.015	1.420
	August	(0.092)	1.104	0.298	0.071	0.015	0.013	1.409
	September	(0.088)	1.167	0.312	0.072	0.015	0.012	1.489
	October	(0.127)	1.121	0.280	0.080	0.015	0.015	1.384
	November	(0.160)	1.113	0.327	0.086	0.015	0.013	1.393
	December	(0.118)	1.208	0.372	0.102	0.015	0.009	1.588
	TOTAL	**(1.023)**	**12.883**	**3.873**	**0.934**	**0.182**	**0.131**	**16.979**
1979	January	(0.093)	1.187	0.366	0.098	0.015	0.004	1.577
	February	(0.067)	R0.999	R0.310	0.092	0.014	0.003	R1.351
	March	(0.122)	R1.065	R0.379	0.116	0.015	0.002	R1.456
	April	(0.138)	R1.014	R0.256	R0.109	0.015	0.005	R1.261
	May	(0.164)	0.976	0.256	0.099	0.015	0.011	1.193
	TOTAL (Year to date)	**(0.584)**	**5.241**	**1.566**	**0.513**	**0.075**	**0.026**	**6.837**

[1]Net imports=imports minus exports. Parentheses indicate exports are greater than imports.
[2]Includes bituminous coal, lignite, and anthracite coal.
[3]Includes crude oil, lease condensate, and imports of crude oil for the Strategic Petroleum Reserve.
[4]Includes refined petroleum products, unfinished oils, natural gasoline, and plant condensate.
[5]Only yearly totals are available for electricity imports. Figures shown are estimates derived by dividing the yearly total by th number of days in the year and multiplying by the number of days in the month.
[6]Imports of coke made from coal.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • Energy Information Administration calculations based on data reported elsewhere in this publication.

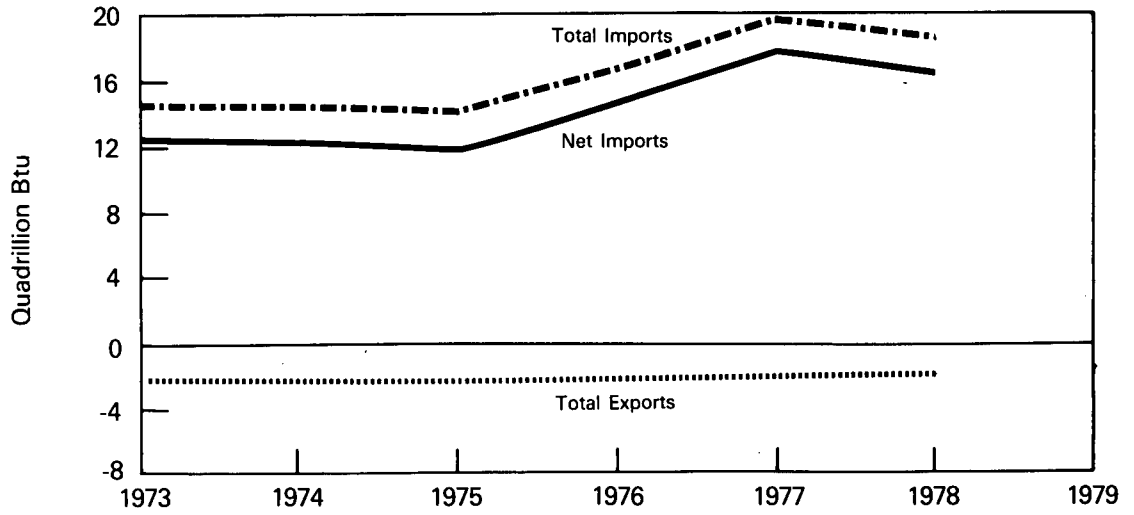
Executive Summary

Energy Imports and Exports

Monthly



Yearly



Executive Summary

Domestic Merchandise Trade Value[1]

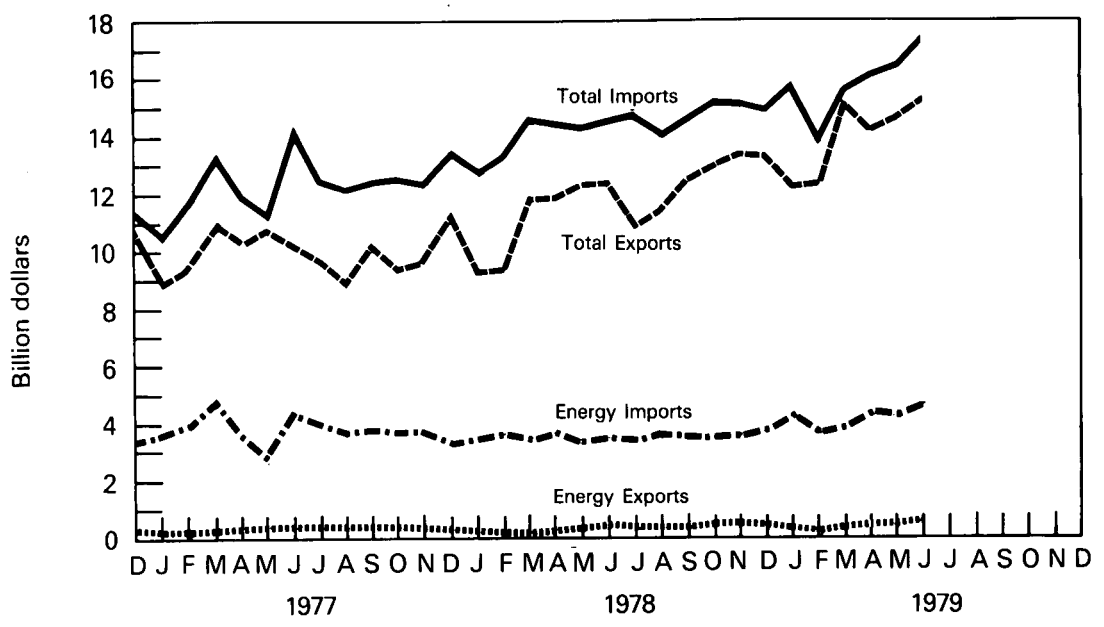
		Exports				Imports			
		Energy	Manufactured Products	Agricultural, Chemical, and Other	Total	Energy	Manufactured Products	Agricultural, Chemical, and Other	Total
		Million dollars							
1973	**TOTAL**	**1,671**	**38,954**	**29,598**	**70,223**	**8,101**	**42,352**	**18,668**	**69,121**
1974	**TOTAL**	**3,444**	**54,704**	**38,996**	**97,144**	**25,454**	**51,205**	**23,592**	**100,251**
1975	**TOTAL**	**4,470**	**62,260**	**39,372**	**106,102**	**26,476**	**47,384**	**22,256**	**96,116**
1976	**TOTAL**	**4,226**	**67,282**	**41,811**	**113,319**	**33,997**	**60,005**	**26,676**	**120,678**
1977	January	218	5,191	3,570	8,979	3,521	4,868	2,255	10,644
	February	268	5,330	3,744	9,342	3,857	5,261	2,475	11,593
	March	292	6,491	4,079	10,862	4,775	5,681	2,686	13,142
	April	398	5,998	3,940	10,336	3,512	5,609	2,814	11,935
	May	432	6,249	4,102	10,783	2,793	5,789	2,676	11,258
	June	398	5,935	3,735	10,068	4,306	6,687	3,053	14,046
	July	398	5,337	3,846	9,581	3,911	6,041	2,479	12,431
	August	334	5,105	3,370	8,809	3,651	5,856	2,538	12,045
	September	402	6,021	3,734	10,157	3,721	6,142	2,589	12,452
	October	367	5,571	3,426	9,364	3,635	6,512	2,350	12,497
	November	362	5,583	3,578	9,523	3,703	6,072	2,495	12,270
	December	315	6,488	4,398	11,201	3,153	7,066	3,153	13,372
	TOTAL	**4,184**	**69,299**	**45,522**	**119,005**	**44,538**	**71,584**	**31,563**	**147,685**
1978	January	189	5,348	3,680	9,217	3,422	6,604	2,692	12,718
	February	141	5,480	3,721	9,342	3,502	7,062	2,722	13,286
	March	165	7,091	4,580	11,836	3,431	7,896	3,220	14,547
	April	285	6,942	4,633	11,860	3,514	7,908	3,064	14,486
	May	364	7,141	4,745	12,250	3,234	7,840	3,125	14,199
	June	424	7,025	4,823	12,272	3,472	8,085	2,958	14,515
	July	322	6,204	4,254	10,780	3,380	8,309	3,015	14,704
	August	335	6,480	4,614	11,429	3,677	7,554	2,793	14,024
	September	348	7,166	4,992	12,506	3,699	7,799	2,919	14,417
	October	422	7,661	4,843	12,926	3,492	8,466	3,160	15,118
	November	466	7,568	5,400	13,434	3,536	8,412	3,107	15,055
	December	418	7,823	5,063	13,304	3,746	7,990	3,220	14,956
	TOTAL	**3,879**	**81,929**	**55,348**	**141,156**	**42,105**	**93,925**	**35,995**	**172,025**
1979	January	350	7,035	4,965	12,350	4,228	8,391	3,227	15,846
	February	292	7,446	4,966	12,704	3,525	7,480	2,771	13,776
	March	436	8,842	6,020	15,298	3,948	8,432	3,385	15,765
	April	467	8,038	5,506	14,011	4,241	8,550	3,381	16,172
	May	471	8,474	5,584	14,529	4,166	8,690	3,655	16,512
	June	500	8,527	6,054	15,081	4,528	9,247	3,661	17,436
	TOTAL (Year to date)	**2,516**	**48,362**	**33,095**	**83,973**	**24,636**	**50,790**	**20,080**	**95,507**

[1] Data presented is free alongside ship (f.a.s.) basis and is unadjusted for seasonality and working days. Beginning January 1979, the data excludes U.S. Department of Defense Military Assistance Program Grant-Aid shipments. Commodity categories shown above include groups of BOC sections as follows: Energy—BOC section 3. (Mineral fuels, lubricants, and related materials). Manufactured products—BOC sections 6. (Manufactured goods classified chiefly by material), 7. (Machinery and transport equipment), and 8. (Miscellaneous manufactured articles, not elsewhere classified). Agricultural, chemical, and other—BOC sections 0. (Food and live animals), 1. (Beverages and tobacco), 2. (Crude material inedible, except fuels), 4. (Animal and vegetable fats and oils), 5. (Chemicals), and 9. (Commodities and transactions not classified according to kind).
Note: Totals may not equal sum of components due to independent rounding.
Source: • U.S. Department of Commerce, Bureau of the Census (BOC) publication FT 900, *Summary of U.S. Export and Import Merchandise Trade.*

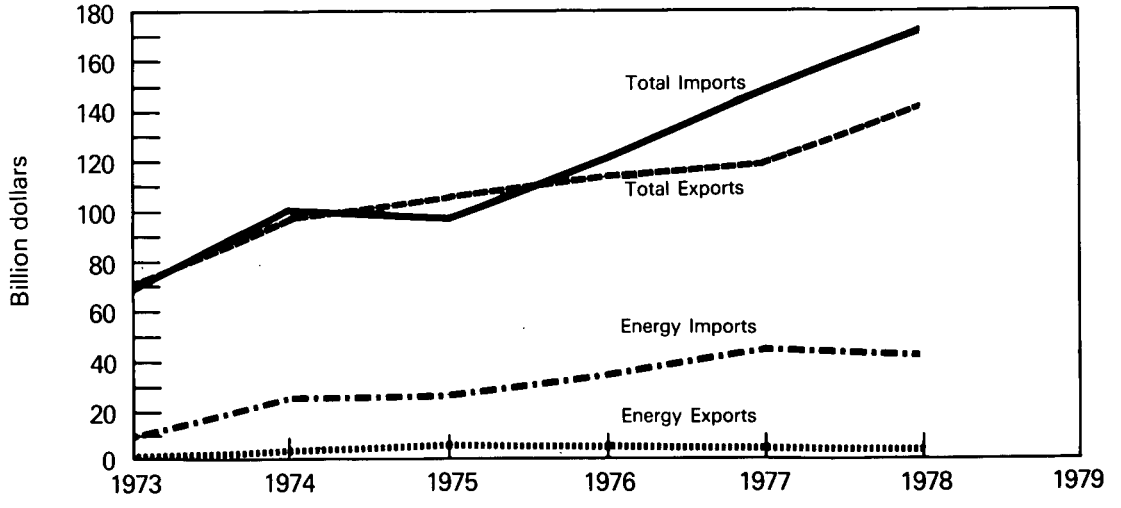
Executive Summary

Merchandise Trade Value

Monthly



Yearly



Executive Summary

Cooling Degree-Days[1]

Petroleum Administration For Defense (PAD) Districts	July 2 through July 29					Cumulative January 1 through July 29				
	1979	1978[2]		Normal (1941-70)[2]		1979	1978[2]		Normal (1941-70)[2]	
PAD District I	313.2	300.5	(4.2)	310.6	(0.9)	665.1	695.9	(-4.4)	708.1	(-6.1)
New England Conn., Maine, Mass., N.H., R.I., Vt.	244.8	216.2	(13.2)	210.5	(16.3)	389.3	371.6	(4.7)	329.3	(18.2)
Middle Atlantic Del., Md., N.J., N.Y., Pa.	282.5	259.1	(9.0)	283.2	(-0.3)	478.6	496.2	(-3.6)	517.0	(-7.4)
Lower Atlantic Fla., Ga., N.C., S.C., Va., W. Va.	389.5	399.7	(-2.6)	395.6	(-1.6)	1,066.8	1,138.5	(-6.3)	1,161.7	(-8.2)
PAD Distsrict II Ill., Ind., Iowa, Kans., Ky., Mich., Minn., Mo., Nebr., N. Dak., Ohio, Okla., S. Dak., Tenn., Wisc.	249.4	282.6	(-11.7)	273.1	(-8.7)	504.8	598.2	(-15.6)	560.0	(-9.9)
PAD District III Ala., Ark., La., Miss., N. Mex., Tex.	480.5	549.4	(-12.5)	488.7	(-1.7)	1,258.5	1,477.4	(-14.8)	1,376.1	(-8.5)
PAD Distsrict IV Colo., Idaho, Mont., Utah, Wyo.	280.0	261.2	(7.2)	242.8	(15.3)	439.1	410.6	(6.9)	370.6	(18.5)
PAD District V Ariz., Calif., Nev., Oreg., Wash.	205.4	194.6	(5.6)	189.9	(8.2)	490.7	481.5	(1.9)	399.5	(22.8)
U.S. AVERAGE	**296.5**	**308.4**	**(-3.9)**	**301.0**	**(-1.5)**	**653.5**	**719.7**	**(-9.2)**	**687.5**	**(-5.0)**

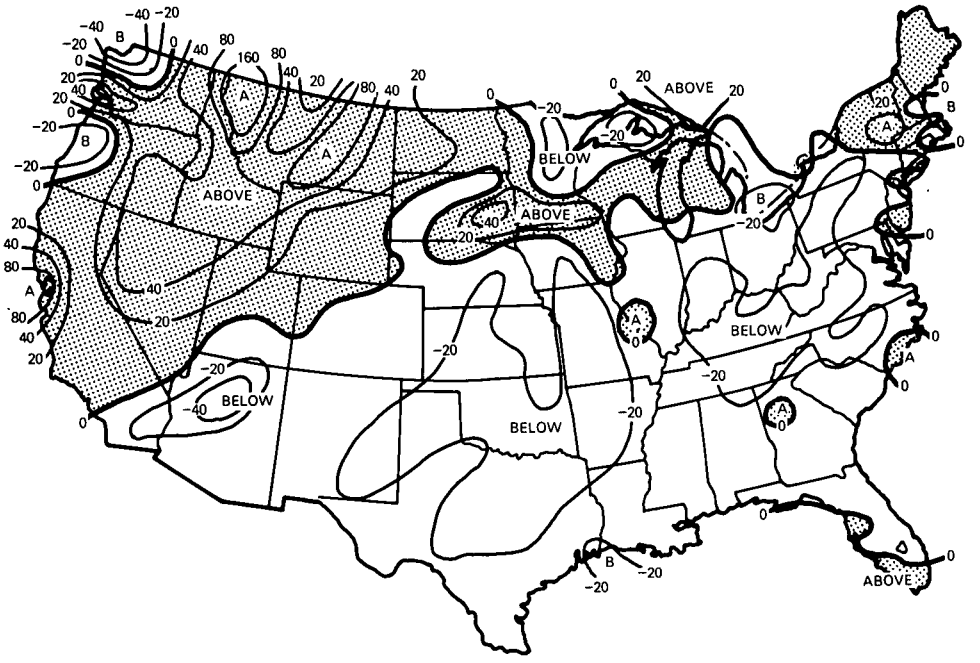
[1]See Explanatory Note 6 for explanation of degree-days.
[2]Percentage change in parentheses.

Executive Summary

Cooling Degree-Days

Cooling Degree-Days Accumulated from January 1 through July 29

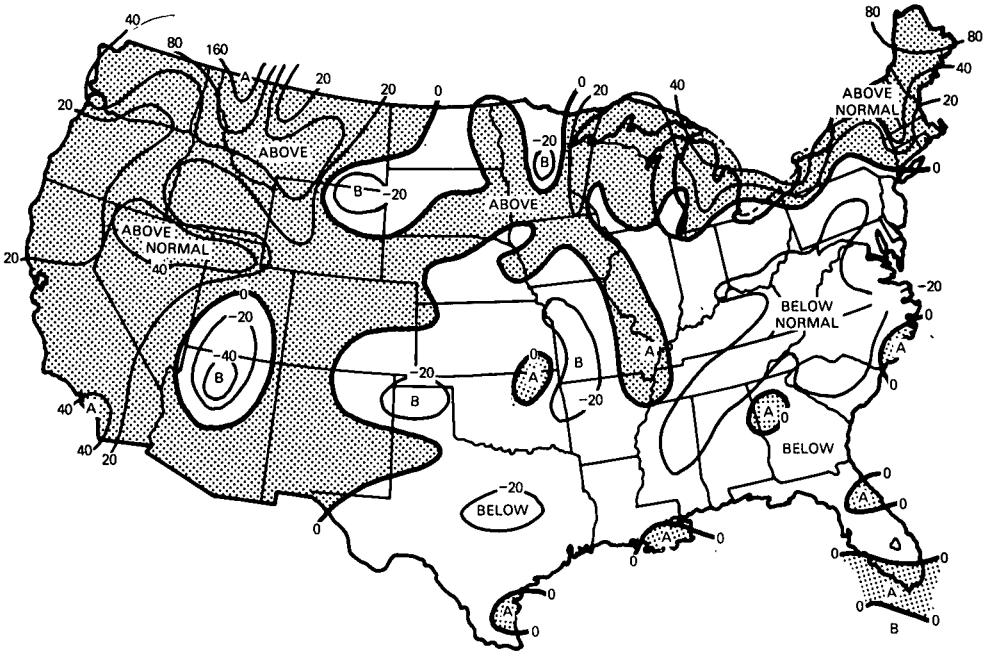
Percent Departure from 1977-78



A Above (normal)

B Below (normal)

Percent Departure from Normal (1941-70)



Note: Above normal heating degree-days correspond to below normal temperatures.

Source: • Department of Commerce—NOAA.

Executive Summary

Energy Indicators—

		Energy Consumption per GNP Dollar				U.S. Dependence on Petroleum Imports (Million barrels per day)			
				Gross National Product (Trillion dollars)		Direct Imports			
		Energy Consumption per GNP Dollar[1]	Energy Consumption (Quadrillion Btu)	Current Dollars	1972 Dollars[2]	From Arab/OPEC Countries	From OPEC Countries	Total All Countries	Domestic Petroleum Products Supplied
	Annual Rate								
1973	**AVERAGE**	**60.4**	**74.605**	**1.307**	**1.235**	**0.91**	**2.99**	**6.26**	**17.31**
1974	**AVERAGE**	**59.9**	**72.756**	**1.413**	**1.214**	**0.75**	**3.28**	**6.11**	**16.65**
1975	**AVERAGE**	**59.3**	**70.706**	**1.516**	**1.192**	**1.38**	**3.60**	**6.06**	**16.32**
1976	**AVERAGE**	**58.6**	**74.513**	**1.700**	**1.271**	**2.42**	**5.07**	**7.31**	**17.46**
1977	1st Qtr	64.4	84.108	1.807	1.307	3.05	6.38	9.41	19.68
	2nd Qtr	53.6	71.047	1.867	1.326	3.40	6.42	8.74	17.53
	3rd Qtr	53.7	72.222	1.917	1.344	3.19	6.20	8.75	17.77
	4th Qtr	58.2	78.872	1.958	1.355	3.09	5.78	8.34	18.77
	AVERAGE	**57.4**	**76.536**	**1.887**	**1.333**	**3.18**	**6.19**	**8.81**	**18.43**
1978	1st Qtr	64.0	86.627	1.992	1.354	2.87	5.64	8.20	20.04
	2nd Qtr	52.7	72.860	2.088	1.383	2.71	5.18	7.62	18.04
	3rd Qtr	52.6	73.151	2.136	1.391	2.94	5.70	8.40	18.06
	4th Qtr	56.7	80.094	2.212	1.413	3.16	6.02	8.68	19.17
	AVERAGE	**56.4**	**78.151**	**2.107**	**1.385**	**2.92**	**5.64**	**8.23**	**18.82**
1979	1st Qtr	62.7	88.776	2.265	1.416	3.18	5.69	8.52	19.91

[1]Thousand Btu per 1972 constant dollar.
[2]Current dollars converted to 1972 constant dollars by the formula:

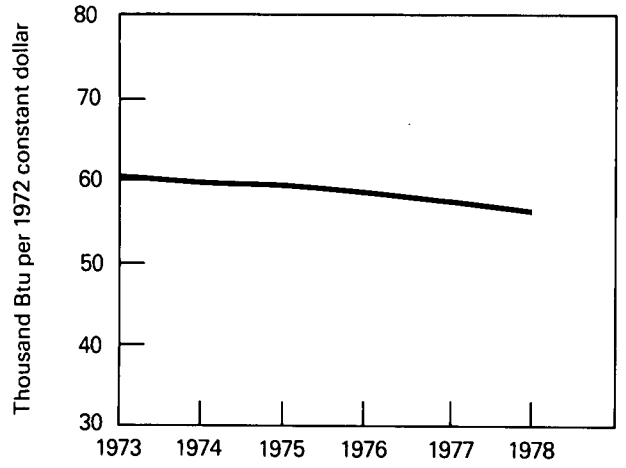
$$\text{Constant 1972 dollars} = \frac{\text{Current dollars in year N}}{\text{Gross National Product implicit price deflator in year N}} \times 100$$

The Gross National Product deflators (1972=100) were determined by the Department of Commerce, Bureau of Economic Analysis.

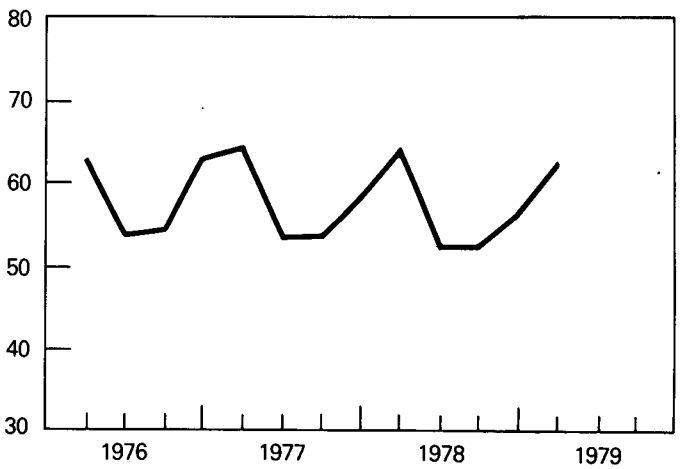
Executive Summary

Energy Consumption per GNP Dollar

Yearly

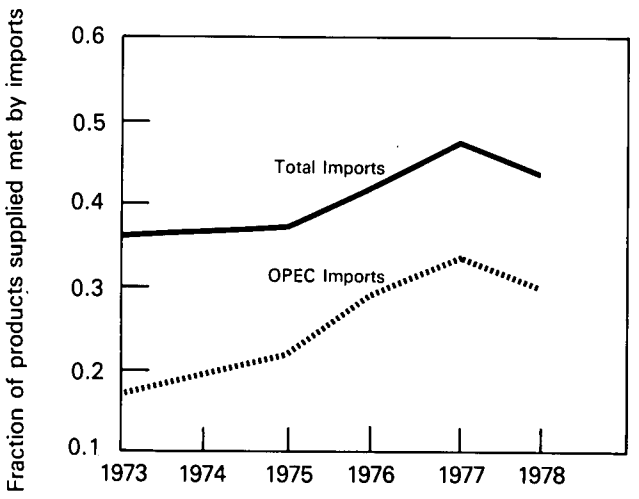


Quarterly

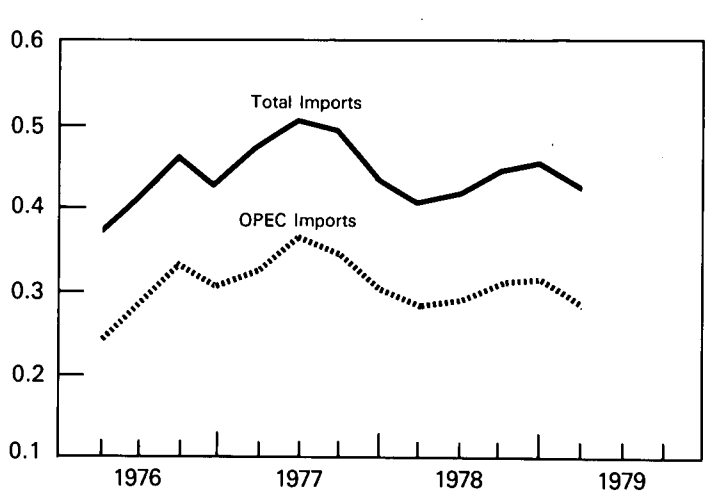


U.S. Dependence on Petroleum Imports

Yearly



Quarterly

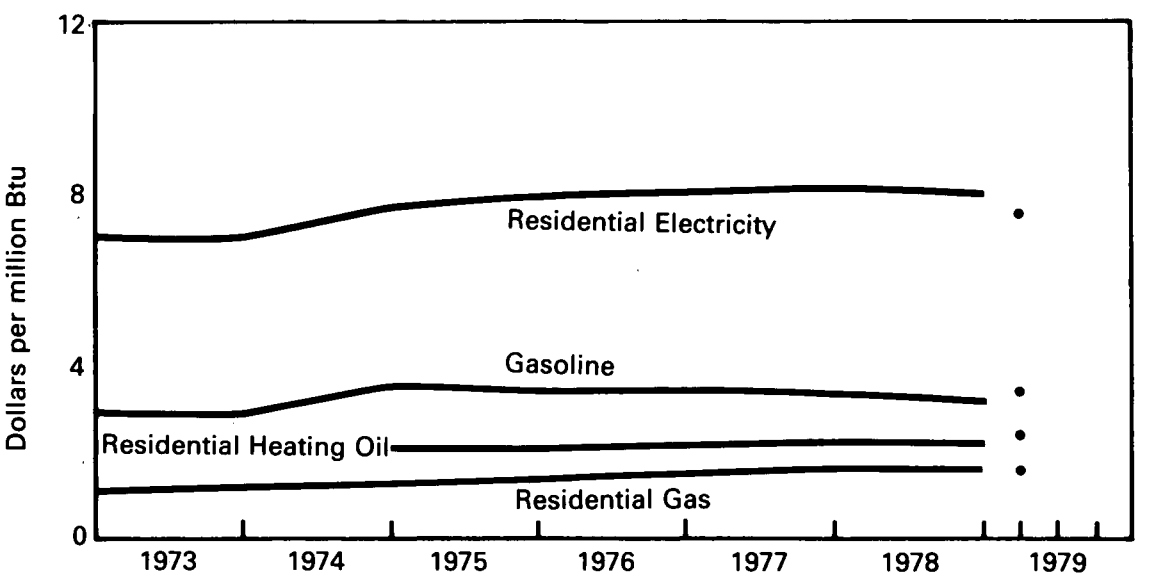


Executive Summary

Energy Indicator—Cost of Fuels to End Users (1972 Dollars)

		Leaded Regular Motor Gasoline		Residential Heating Oil		Residential Natural Gas		Residential Electricity	
		cent/gal	$/MMBtu	cent/gal	$/MMBtu	cent/Mcf	$/MMBtu	cent/kWh	$/MMBtu
1973	**AVERAGE**	**36.5**	**2.92**	**NA**	**NA**	**121.2**	**1.24**	**2.39**	**7.00**
1974	**AVERAGE**	**44.8**	**3.59**	**29.4**	**2.12**	**123.4**	**1.23**	**2.63**	**7.71**
1975	**AVERAGE**	**43.7**	**3.50**	**29.3**	**2.11**	**132.8**	**1.33**	**2.73**	**7.99**
1976	**AVERAGE**	**43.1**	**3.46**	**30.2**	**2.18**	**145.4**	**1.49**	**2.77**	**8.11**
1977	**AVERAGE**	**43.2**	**3.46**	**31.2**	**2.30**	**162.2**	**1.66**	**2.81**	**8.23**
1978	1st Qtr	41.0	3.28	32.3	2.33	155.0	1.58	2.65	7.76
	2nd Qtr	40.6	3.25	31.4	2.26	169.7	1.73	2.88	8.44
	3rd Qtr	41.3	3.31	30.7	2.21	196.3	2.00	2.85	8.35
	4th Qtr	41.3	3.31	32.1	2.31	164.5	1.68	2.70	7.91
	AVERAGE†	**41.0**	**3.28**	**31.7**	**2.29**	**163.5**	**1.67**	**2.76**	**8.10**
1979	1st Qtr	42.6	3.41	33.8	2.44	158.0	1.61	2.51	7.34

Average Cost of Fuels to End Users (1972 constant dollars)



†Preliminary data.

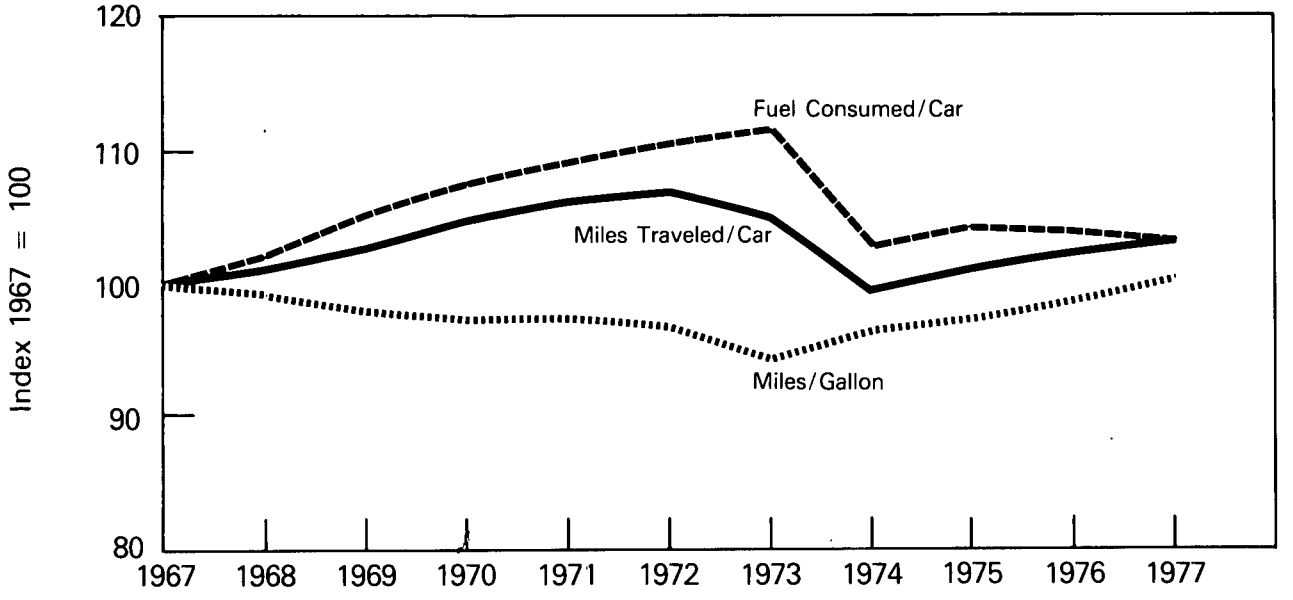
Sources: • Motor Gasoline—1973 through 1977, Lundberg Survey Inc. and 1978, U.S. Department of Energy Forms EIA-8 and EIA-79, "Retail Motor Fuels Service Station Survey".
• Heating Oil—1974 and 1975, FORM CLC-92, "No. 2 Heating Oil Monthly Price Adjustment Report," and 1976 forward, FEA Form P112-M-1, and EIA-9, "No. 2 Heating Oil Supply/Price Monitoring Report."
• Natural Gas—1973 through 1977, Bureau of Mines and Energy Information Administration Form 1340-A, "Supply and Disposition of Natural Gas to Non-Producing Distributors;" and Form 1341-A, "Supply and Disposition of Natural Gas to Producers and Pipelines;" and 1978, the American Gas Association, "Quarterly Report of Gas Industry Operations."
• Electricity—FPC Form 5, "Reports of Classes A and B Privately Owned Electric Utilities."
• Deflator—The Consumer Price Index.

Executive Summary

Energy Indicator—U.S. Passenger Car Efficiency

	Average Fuel Consumed per Car		Average Miles Traveled per Car		Average Miles Traveled per Gallon of Fuel Consumed	
	Gallons	Index	Miles	Index	Miles	Index
1967	684	100.0	9,531	100.0	13.93	100.0
1968	698	102.0	9,627	101.0	13.79	99.0
1969	718	105.0	9,782	102.6	13.63	97.8
1970	735	107.5	9,978	104.7	13.57	97.4
1971	746	109.1	10,121	106.2	13.57	97.4
1972	755	110.4	10,184	106.9	13.49	96.8
1973	763	111.5	9,992	104.8	13.10	94.0
1974	704	102.9	9,448	99.1	13.43	96.4
1975	712	104.1	9,634	101.1	13.53	97.1
1976	711	103.9	9,763	102.4	13.72	98.5
1977	706	103.2	9,839	103.2	13.94	100.1

U.S. Passenger Car Efficiency



Source: • U.S. Department of Transportation, Federal Highway Administration, Federal Highway Statistics Division, "Highway Statistics", Table VM-1.

Energy Consumption

Domestic energy consumption in May 1979 was 6.2 quadrillion Btu, the same as last month. This figure is 0.2 percent higher than May 1978 consumption, and 5.2 percent higher than May 1977 consumption.

The residential and commercial sector consumed 2.1 quadrillion Btu in May 1979, 10.5 percent lower than last month, and 1.8 percent higher than the level in May 1978. The residential and commercial sector consumed 33.8 percent of the total consumption for May 1979, up from the sector's 33.3 percent share in May 1978, and the 32.0 percent share of May 1977.

The industrial sector consumed 2.4 quadrillion Btu in May 1979, up by 9.7 percent from April, and up by 3.1 percent from the consumption level in May 1978. The industrial sector consumed 39.4 percent of the May 1979 total, compared with 38.3 percent share in May 1978, and a 40.5 percent share in May 1977.

The transportation sector consumed 1.7 quadrillion Btu in May 1979, up 3.4 percent from April, and down 5.4 percent from the consumption level in May 1978. The transportation sector consumed 26.8 percent of the May 1979 total, as compared to a 28.4 percent share in May 1978, and a 27.5 percent share in May 1977.

The electric utilities consumed an estimated 1.9 quadrillion Btu of energy in May 1979, 4.9 percent higher than the previous month, and also 1.7 percent more than in May 1978. Coal contributed 47.2 percent of May 1979 consumption of electric utilities, while hydroelectric power contributed 16.7 percent, natural gas 15.1 percent, petroleum 12.1 percent, nuclear power 8.5 percent, and geothermal, wood, and waste 0.4 percent. Of the total energy consumed by the electric utilities in May 1979, 55.2 percent was ultimately consumed by the residential and commercial sector (electricity distributed and losses), 44.6 percent by the industrial sector, and 0.2 percent by the transportation sector.

Consumption

Energy Consumption Summary
May 1979 [Quadrillion (10^{15}) Btu]

Primary Energy Source	Sector[1] Residential and Commercial	Industrial	Transportation	Electric Utilities	TOTAL
Coal[2]	0.015	0.285	0.000	0.897	1.197
Natural Gas (dry)[3]	0.462	0.613	0.036	0.288	1.399
Petroleum[4]	0.564	0.673	1.613	0.231	3.081
Hydroelectric[5]	0.000	0.003	0.000	0.318	0.322
Nuclear[6]	0.000	0.000	0.000	0.162	0.162
Net Coke Imports[7]	0.000	0.011	0.000	0.000	0.011
Other[8]	0.000	0.000	0.000	0.007	0.007
TOTAL PRIMARY ENERGY	**1.041**	**1.586**	**1.649**	**1.902**	**6.179**
Electricity Distributed[9]	0.297	0.240	0.001	(0.538)	
Net Energy Consumption	1.338	1.826	1.651		4.815
Electrical Energy Loss Distributed[10]	0.752	0.609	0.003	(1.364)	1.364
TOTAL ENERGY	**2.090**	**2.436**	**1.654**		**6.179**

Note: Totals may not equal sum of components due to independent rounding.

[1]See Explanatory Note 5 for definitions of the Residential and Commercial, Industrial, Transportation, and Electric Utilities Sectors.

Footnotes 2 through 10 apply to the table above and provide explanations and sources for the three individual sector tables following in this publication:

[2]Anthracite coal, bituminous coal, and lignite. *Sources:* • Anthracite—1973 through 1976, U.S. Department of the Interior (DOI), Bureau of Mines (BOM), *Minerals Yearbook,* "Coal—Pennsylvania Anthracite, Annual;" 1977 through 1979, U.S. Department of Energy (DOE), Energy Information Administration, (EIA) *Energy Data Report,* "Weekly Coal Report."

• Bituminous coal and lignite—1973 through 1975, U.S. DOI, BOM, *Minerals Yearbook,* "Bituminous Coal and Lignite, Annual," Federal Power Commission (FPC), Form 4, "Monthly Power Plant Report;" 1976 through 1979, DOE, EIA, *Energy Data Report,* "Weekly Coal Report."

• Electric Utility consumption of coal sources: same as footnote 6 below.

[3]Natural gas consumption by the Transportation Sector is mostly for pipeline use. It is estimated to be the following percentages of non-utility gas consumption: 1973 3.76%, 1974 3.56%, 1975 3.25%, and 1976 through 1979 3.26%. American Gas Association (AGA) data are used to estimate monthly consumption of natural gas by the Residential and Commercial Sector. In completed years, the AGA consumption in each month is taken as a portion of the AGA year's total: that fraction is multiplied by the DOE total for that year to obtain a monthly estimate. For incomplete years, the AGA Residential and Commercial Sector's monthly consumption of natural gas is used directly. In 1973, 36 percent of the AGA's "other" sector is added to the Residential and Commercial Sector; in 1974 this percent is increased to 39 percent; and from 1975 all of the "other" sector is added to the Residential and Commercial Sector. The Industrial Sector consumption of natural gas is the difference between the total and the sum of the other sectors.

• Natural gas: 1973 through 1975, DOI, BOM, *Minerals Yearbook,* "Natural Gas" chapter.

• 1976 through 1979, DOE, *Energy Data Reports,* "Natural Gas Monthly Production and Consumption."

• Electric Utilities natural gas consumption sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report."

• 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report." Residential and Commercial Sector annual data sources are the same as for total natural gas consumption.

[4]Petroleum products are allocated to the Transportation Sector as follows: motor gasoline 100% for all years; naphtha jet fuel 100% for all years; kerosene jet fuel 98.0% 1973, 98.2% 1974, 98.3% 1975, 98.3% 1976, and 97.6% 1977 and 1978; distillate fuel oil 32.8% 1973, 34.1% 1974, 34.1% 1975, 33.7% 1976, and 34.0% 1977 through 1979; residual fuel oil 11.3% 1973, 11.7% 1974, 12.9% 1975, 13.3% 1976, and 13.2% 1977 through 1979; all other petroleum products 4.6% 1973, 4.5% 1974, 4.2% 1975, 4.2% 1976, and 3.9% 1977 through 1979. The remainder is distributed to the Residential and Commercial Sector and the Industrial Sector by applying the following percentage shares by year: Residential and Commercial Sector—1973 51.47%, 1974 49.75%, 1975 49.62%, 1976 48.49%, and 1977 through 1979 45.59%; and Industrial Sector—1973 48.53%, 1974 50.25%, 1975 50.38%, 1976 51.51%, and 1977 through 1979 54.41%. These percentages are developed on a Btu basis from the sources listed above for the other sectors. *Sources:* • Petroleum, 1973 through 1975, DOI, BOM, *Mineral Industry Surveys,* "Petroleum Statement, Annual."

• 1976 and 1977, DOE, EIA, *Energy Data Reports,* "Petroleum Statement, Annual."

• 1978 and 1979, DOE, EIA, *Energy Data Reports,* "Petroleum Statement, Monthly" and "Monthly Petroleum Statistics Report."

• Electric Utility consumption of petroleum sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report."

• 1977 through 1979, DOE, FPC, Form 4, "Monthly Power Plant Report."

• Transportation Sector consumption of petroleum for 1973 through 1975 is derived from DOI, BOM, *Mineral Industry Surveys,* "Fuel Oil Sales, Annual" and "Liquefied Petroleum Gas Sales, Annual."

• 1976 through 1979 from DOE, *Energy Data Reports,* "Fuel Oil Sales, Annual" and "Liquefied Petroleum Gas Sales, Annual," and from the sources listed for total petroleum consumption.

[5]Industrial and electric utility generation of hydropower sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report."

• 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report." Imports and exports of electricity sources: FPC, Form 12, "Power System Statement."

[6]*Sources:* 1973 through 1976, FPC, Form 4, "Monthly Power Plant."

• 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report."

[7]Net coke imports is coke made from coal.

Sources: • 1973 through 1975, DOI, BOM, *Minerals Yearbook,* "Coke and Coal Chemicals, Annual."

• 1976 through 1979, DOE, EIA, *Energy Data Reports,* Coke and Coal Chemicals, Monthly."

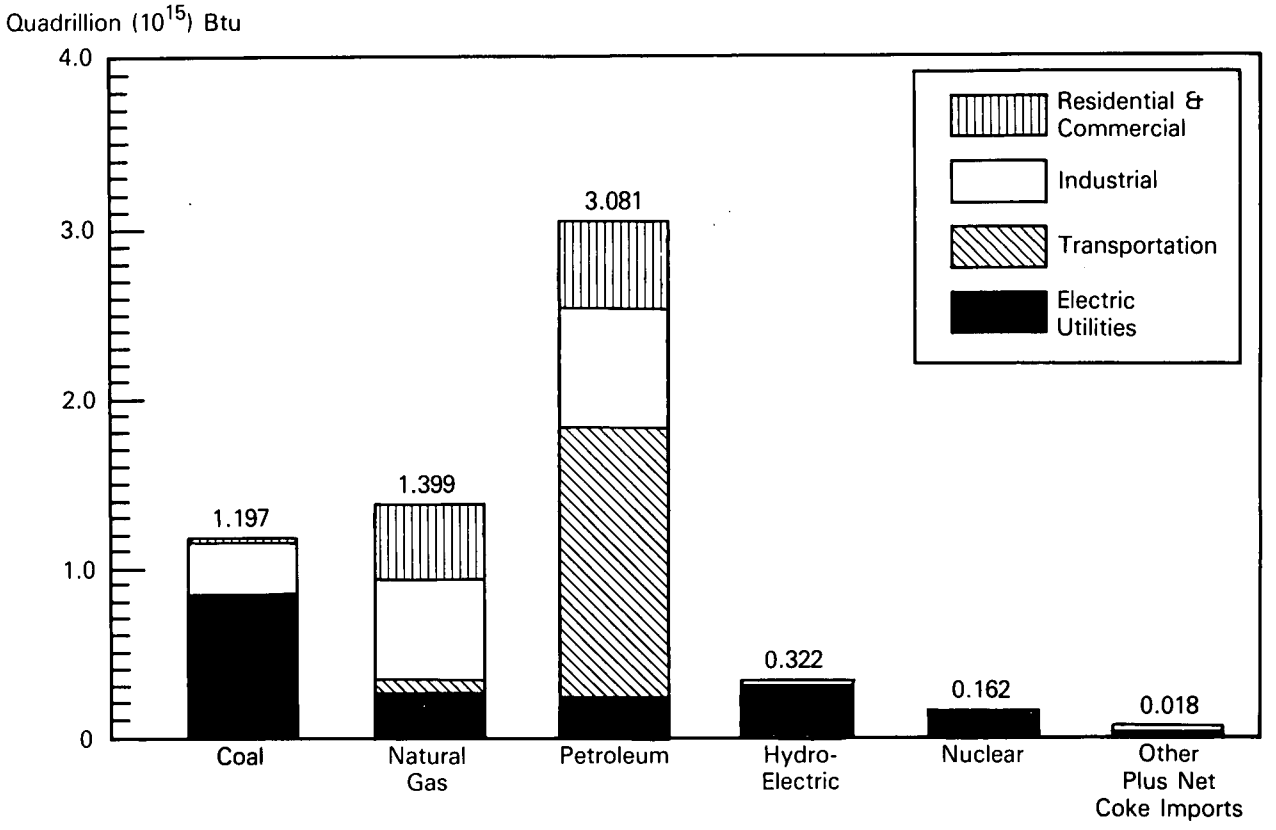
[8]"Other" is electricity produced from geothermal power and from wood and waste. Sources: same as footnote 6 above.

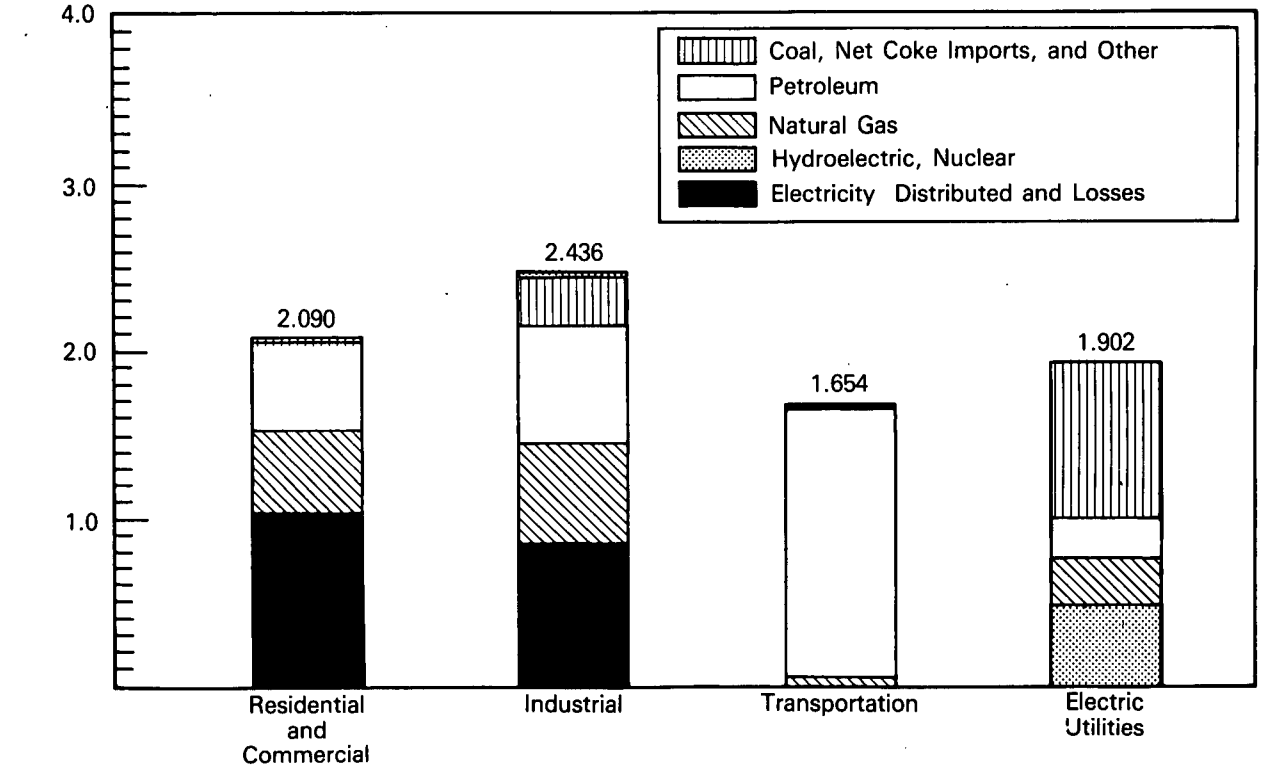
[9]Electricity was distributed using EIA data on kilowatt-hour sales to ultimate customers. Electrical energy consumed by railroads was distributed to the Transportation Sector. All "Other" sales, largely for use in government buildings, were distributed to the Residential and Commercial Sector. *Source:* • Sales data—FPC, Form 5, "Monthly Statement of Electric Operating Revenue and Income."

[10]In generating electricity with nuclear or fossil fuels, approximately 65 percent of the energy is lost in the form of heat. Transmission and distribution losses consume about an additional 3 percent of the energy inputs of the utility industry. In order to fully account for all energy consumed both directly and indirectly (i.e., ultimate energy disposition), the electricity losses are allocated to the final end-use sectors in proportion to their direct kilowatt-hour usage.

Consumption

Energy Consumption Summary
May 1979





Note: Totals may not equal sum of components due to independent rounding.

Consumption

Energy Consumption by the Residential and Commercial Economic Sector[1]

		Coal	Natural Gas (dry)	Petroleum[1]	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
					Quadrillion (10^{15}) Btu			
1973	**TOTAL**	**0.293**	**7.626**	**6.831**	**3.489**	**8.295**	**26.534**	
1974	**TOTAL**	**0.292**	**7.518**	**6.214**	**3.469**	**8.419**	**25.912**	
1975	**TOTAL**	**0.248**	**7.581**	**5.839**	**3.584**	**8.729**	**25.981**	
1976	January	0.030	1.280	0.614	0.345	0.853	3.123	3.123
	February	0.019	1.113	0.541	0.319	0.698	2.690	5.813
	March	0.018	0.874	0.533	0.291	0.715	2.430	8.243
	April	0.020	0.685	0.467	0.274	0.637	2.083	10.326
	May	0.016	0.498	0.473	0.269	0.657	1.913	12.239
	June	0.014	0.340	0.457	0.288	0.759	1.858	14.096
	July	0.011	0.287	0.455	0.337	0.877	1.967	16.063
	August	0.015	0.265	0.473	0.351	0.869	1.972	18.035
	September	0.016	0.278	0.485	0.335	0.718	1.832	19.867
	October	0.021	0.403	0.532	0.290	0.698	1.944	21.811
	November	0.024	0.738	0.580	0.293	0.732	2.367	24.178
	December	0.036	1.105	0.679	0.335	0.847	3.002	27.180
	TOTAL	**0.239**	**7.866**	**6.290**	**3.725**	**9.060**	**27.180**	
1977	January	0.032	1.362	0.630	0.371	0.954	3.349	3.349
	February	0.021	1.203	0.599	0.351	0.727	2.901	6.250
	March	0.019	0.836	0.542	0.310	0.740	2.447	8.698
	April	0.020	0.616	0.479	0.282	0.655	2.052	10.750
	May	0.015	0.401	0.471	0.277	0.718	1.882	12.632
	June	0.016	0.312	0.484	0.312	0.804	1.927	14.559
	July	0.012	0.274	0.450	0.370	0.971	2.077	16.635
	August	0.015	0.253	0.491	0.376	0.937	2.072	18.708
	September	0.014	0.263	0.489	0.355	0.795	1.916	20.624
	October	0.018	0.375	0.544	0.311	0.712	1.959	22.583
	November	0.024	0.584	0.543	0.289	0.718	2.158	24.741
	December	0.028	0.983	0.606	0.329	0.858	2.804	27.545
	TOTAL	**0.234**	**7.462**	**6.327**	**3.932**	**9.589**	**27.545**	
1978	January	0.028	1.232	0.596	0.374	0.975	3.205	3.205
	February	0.029	1.257	0.571	0.367	0.838	3.063	6.268
	March	0.023	1.038	0.563	0.341	0.823	2.788	9.055
	April	0.020	0.683	0.497	0.293	0.692	2.184	11.239
	May	0.018	0.483	0.518	0.283	R0.752	R2.054	R13.293
	June	0.017	0.313	0.485	0.323	0.841	1.980	R15.273
	July	0.015	0.264	0.478	0.375	0.979	2.112	R17.385
	August	0.016	0.240	0.500	0.385	0.983	2.123	R19.508
	September	0.018	0.249	0.498	0.376	0.842	1.983	R21.491
	October	0.026	0.352	0.548	0.322	0.747	1.995	R23.486
	November	0.027	0.602	0.554	0.301	0.749	2.232	R25.718
	December	0.029	0.966	0.592	0.340	0.880	2.807	R28.525
	TOTAL	**0.265**	**7.678**	**6.400**	**4.080**	**R10.101**	**R28.525**	
1979	January	0.035	1.308	0.641	0.377	1.014	3.376	3.376
	February	0.022	1.329	R0.596	0.385	0.874	R3.207	R6.582
	March	0.017	0.993	0.616	0.349	0.822	2.797	R9.379
	April	R0.016	0.748	0.542	0.309	R0.719	2.334	R11.714
	May	0.015	0.462	0.564	0.297	0.752	2.090	13.803
	TOTAL (Year to date)	**0.105**	**4.840**	**2.959**	**1.718**	**4.181**	**13.803**	

[1]The Residential and Commercial Sector consists of housing units, non-manufacturing business establishments (e.g., wholesale and retail businesses), health and educational institutions, and government office buildings. Notes on the methodology used for sector calculations are provided in the footnotes on page 22.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • See footnotes on page 22.

Consumption

Energy Consumption by the Industrial Economic Sector[1]

		Coal	Natural Gas (dry)	Petro-leum	Hydro-electric	Net Coke Imports[2]	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
						Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**4.377**	**10.397**	**6.441**	**0.033**	**(0.008)**	**2.341**	**5.564**	**29.144**	
1974	**TOTAL**	**4.047**	**10.012**	**6.277**	**0.031**	**0.059**	**2.337**	**5.668**	**28.430**	
1975	**TOTAL**	**3.786**	**8.532**	**5.929**	**0.030**	**0.014**	**2.304**	**5.613**	**26.207**	
1976	January	0.316	0.777	0.652	0.003	(0.001)	0.196	0.485	2.429	2.429
	February	0.298	0.603	0.575	0.003	(0.001)	0.198	0.433	2.109	4.538
	March	0.316	0.605	0.566	0.003	(0.002)	0.206	0.507	2.201	6.739
	April	0.316	0.578	0.496	0.003	(0.002)	0.205	0.475	2.070	8.809
	May	0.323	0.652	0.502	0.003	(0.003)	0.209	0.511	2.197	11.006
	June	0.308	0.670	0.485	0.003	(0.002)	0.214	0.563	2.241	13.247
	July	0.306	0.731	0.483	0.003	0.000	0.213	0.554	2.290	15.537
	August	0.300	0.707	0.503	0.002	0.001	0.218	0.541	2.273	17.809
	September	0.299	0.715	0.515	0.002	0.001	0.220	0.471	2.223	20.032
	October	0.314	0.948	0.566	0.003	0.006	0.218	0.525	2.581	22.613
	November	0.323	0.896	0.616	0.003	0.001	0.215	0.538	2.593	25.205
	December	0.352	0.885	0.722	0.003	0.002	0.214	0.541	2.719	27.924
	TOTAL	**3.773**	**8.768**	**6.682**	**0.033**	**0.000**	**2.525**	**6.144**	**27.924**	
1977	January	0.322	0.812	0.751	0.003	(0.002)	0.210	0.539	2.636	2.636
	February	0.308	0.391	0.715	0.003	0.000	0.206	0.427	2.050	4.686
	March	0.329	0.627	0.647	0.003	(0.002)	0.216	0.515	2.336	7.022
	April	0.309	0.583	0.571	0.003	(0.002)	0.216	0.502	2.182	9.204
	May	0.306	0.703	0.562	0.003	0.000	0.223	0.579	2.377	11.581
	June	0.298	0.696	0.577	0.003	0.000	0.225	0.582	2.381	13.962
	July	0.289	0.690	0.537	0.003	0.002	0.220	0.578	2.319	16.280
	August	0.277	0.744	0.586	0.003	0.001	0.226	0.563	2.400	18.680
	September	0.269	0.824	0.584	0.003	0.007	0.226	0.508	2.421	21.101
	October	0.301	0.840	0.649	0.003	0.004	0.226	0.518	2.541	23.642
	November	0.300	0.851	0.648	0.003	0.001	0.221	0.551	2.574	26.216
	December	0.306	0.880	0.724	0.003	0.006	0.218	0.569	2.706	28.923
	TOTAL	**3.612**	**8.641**	**7.552**	**0.037**	**0.015**	**2.635**	**6.431**	**28.923**	
1978	January	0.286	0.896	0.711	0.003	0.001	0.219	0.572	2.689	2.689
	February	0.246	0.622	0.682	0.003	0.001	0.208	0.475	2.236	4.925
	March	0.243	0.596	0.672	0.003	0.005	0.210	0.506	2.235	7.159
	April	0.274	0.588	0.593	0.003	0.012	0.215	0.509	2.194	9.354
	May	0.293	0.593	R0.618	0.003	0.025	R0.227	R0.604	R2.363	R11.717
	June	0.287	0.573	0.579	0.003	0.009	0.236	0.614	2.301	R14.018
	July	0.291	0.665	0.571	0.003	0.015	0.230	0.600	2.375	R16.393
	August	0.288	0.657	0.597	0.002	0.013	0.240	0.614	2.412	R18.805
	September	0.288	0.660	0.594	0.003	0.012	0.239	0.535	2.331	R21.137
	October	0.309	0.796	0.654	0.003	0.015	0.240	0.557	2.574	R23.711
	November	0.308	0.793	0.661	0.003	0.013	0.235	0.585	2.597	R26.308
	December	0.319	0.845	0.707	0.003	0.009	0.231	0.597	2.711	R29.019
	TOTAL	**3.433**	**8.284**	**7.639**	**0.036**	**0.131**	**R2.730**	**R6.767**	**R29.019**	
1979	January	0.313	0.812	0.765	0.003	0.004	0.232	0.624	2.753	2.753
	February	0.287	0.586	R0.711	0.003	0.003	0.228	0.517	R2.336	R5.089
	March	0.306	R0.608	0.735	0.003	0.002	0.235	0.552	R2.441	R7.530
	April	R0.292	0.492	0.647	0.003	0.005	0.235	R0.546	R2.220	R9.750
	May	0.285	0.613	0.673	0.003	0.011	0.240	0.609	2.436	12.185
	TOTAL (Year to date)	**1.484**	**3.111**	**3.532**	**0.015**	**0.026**	**1.170**	**2.848**	**12.185**	

[1]The Industrial Sector is made up of construction, manufacturing, agriculture, and mining establishments. Notes on the methodology used for sector calculations are provided in the footnotes on page 22.
[2]Net Imports=imports minus exports. Parentheses indicate exports are greater than imports.
R=Revised data.
Note: Total may not equal sum of components due to independent rounding.
Source: • See footnotes on page 22.

Consumption

Energy Consumption by the Transportation Economic Sector[1]

		Coal	Natural Gas (dry)	Petroleum	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
		Quadrillion (10^{15}) Btu						
1973	**TOTAL**	**0.003**	**0.743**	**18.132**	**0.014**	**0.034**	**18.927**	
1974	**TOTAL**	**0.002**	**0.685**	**17.677**	**0.015**	**0.035**	**18.414**	
1975	**TOTAL**	**0.001**	**0.595**	**17.872**	**0.015**	**0.035**	**18.518**	
1976	January	0.000	0.069	1.572	0.001	0.003	1.646	1.646
	February	0.000	0.058	1.415	0.001	0.003	1.477	3.123
	March	0.000	0.050	1.584	0.001	0.003	1.639	4.761
	April	0.000	0.042	1.543	0.001	0.003	1.590	6.351
	May	0.000	0.039	1.518	0.001	0.003	1.561	7.912
	June	0.000	0.034	1.569	0.001	0.003	1.607	9.519
	July	0.000	0.034	1.606	0.001	0.003	1.644	11.163
	August	0.000	0.033	1.563	0.001	0.003	1.599	12.763
	September	0.000	0.033	1.530	0.001	0.002	1.567	14.330
	October	0.000	0.045	1.560	0.001	0.003	1.609	15.939
	November	0.000	0.055	1.596	0.001	0.003	1.655	17.594
	December	0.000	0.067	1.743	0.001	0.003	1.814	19.408
	TOTAL	**0.000**	**0.559**	**18.799**	**0.015**	**0.036**	**19.408**	
1977	January	0.000	0.073	1.668	0.001	0.004	1.746	1.746
	February	0.000	0.054	1.544	0.002	0.003	1.603	3.349
	March	0.000	0.049	1.617	0.001	0.003	1.670	5.019
	April	0.000	0.040	1.592	0.001	0.003	1.636	6.655
	May	0.000	0.037	1.576	0.001	0.003	1.617	8.272
	June	0.000	0.034	1.621	0.001	0.003	1.659	9.931
	July	0.000	0.032	1.642	0.001	0.003	1.678	11.609
	August	0.000	0.034	1.662	0.001	0.003	1.699	13.308
	September	0.000	0.037	1.583	0.001	0.003	1.623	14.931
	October	0.000	0.041	1.615	0.001	0.003	1.660	16.591
	November	0.000	0.048	1.601	0.001	0.003	1.654	18.245
	December	0.000	0.063	1.756	0.001	0.003	1.823	20.068
	TOTAL	**0.000**	**0.543**	**19.476**	**0.014**	**0.035**	**20.068**	
1978	January	0.000	0.072	1.641	0.001	0.004	1.717	1.717
	February	0.000	0.063	1.565	0.001	0.003	1.633	3.350
	March	0.000	0.055	1.735	0.001	0.003	1.795	5.145
	April	0.000	0.043	1.582	0.001	0.003	1.628	6.773
	May	0.000	0.036	1.708	0.001	0.003	1.748	8.521
	June	0.000	0.030	1.679	0.001	0.003	1.713	10.234
	July	0.000	0.031	1.657	0.001	0.003	1.692	11.926
	August	0.000	0.030	1.746	0.001	0.003	1.780	13.706
	September	0.000	0.031	1.596	0.001	0.003	1.630	15.336
	October	0.000	0.039	1.681	0.001	0.003	1.723	17.059
	November	0.000	0.047	1.676	0.001	0.003	1.728	18.787
	December	0.000	0.061	1.753	0.001	0.004	1.819	20.606
	TOTAL	**0.000**	**0.538**	**20.017**	**0.015**	**0.037**	**20.606**	
1979	January	0.000	0.071	1.708	0.001	0.004	1.784	1.784
	February	0.000	0.065	R1.617	0.001	0.003	R1.686	R3.470
	March	0.000	R0.054	1.681	0.001	0.003	R1.740	R5.210
	April	0.000	0.042	1.553	0.001	0.003	1.599	R6.809
	May	0.000	0.036	1.613	0.001	0.003	1.654	8.462
	TOTAL (Year to date)	**0.000**	**0.268**	**8.173**	**0.006**	**0.015**	**8.462**	

[1]The transportation sector consists of both private and public passenger and freight transportation, as well as government transportation, including military operations. Notes on the methodology used for sector calculations are provided in the footnotes on page 22.

R=Revised data.

Note: Totals may not equal sum of components due to independent rounding.

Source: • See footnotes on page 22.

Consumption

Energy Consumption by Electric Utilities

		Coal[1]	Natural Gas (dry)	Petroleum	Hydro-electric Power[2]	Nuclear Electric Power	Other[3]	Total	Yearly Cumulative Total
					Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**8.627**	**3.746**	**3.433**	**2.975**	**0.910**	**0.046**	**19.738**	
1974	**TOTAL**	**8.535**	**3.518**	**3.286**	**3.276**	**1.272**	**0.056**	**19.943**	
1975	**TOTAL**	**8.788**	**3.241**	**3.092**	**3.187**	**1.900**	**0.072**	**20.280**	
1976	January	0.868	0.210	0.344	0.278	0.178	0.007	1.884	1.884
	February	0.758	0.203	0.264	0.262	0.159	0.007	1.653	3.537
	March	0.781	0.227	0.269	0.283	0.155	0.007	1.723	5.260
	April	0.730	0.233	0.246	0.258	0.121	0.007	1.595	6.855
	May	0.733	0.274	0.232	0.272	0.132	0.006	1.649	8.504
	June	0.789	0.318	0.267	0.273	0.174	0.007	1.827	10.331
	July	0.867	0.347	0.290	0.278	0.196	0.007	1.984	12.316
	August	0.878	0.339	0.301	0.255	0.203	0.007	1.983	14.298
	September	0.779	0.302	0.250	0.219	0.191	0.007	1.748	16.046
	October	0.797	0.256	0.259	0.226	0.192	0.007	1.736	17.782
	November	0.842	0.223	0.320	0.213	0.178	0.006	1.782	19.563
	December	0.900	0.220	0.365	0.217	0.233	0.007	1.941	21.505
	TOTAL	**9.720**	**3.153**	**3.407**	**3.032**	**2.111**	**0.081**	**21.505**	
1977	January	0.930	0.210	0.463	0.231	0.239	0.007	2.080	2.080
	February	0.807	0.206	0.311	0.173	0.211	0.006	1.716	3.795
	March	0.796	0.239	0.298	0.222	0.223	0.007	1.785	5.580
	April	0.727	0.230	0.272	0.210	0.214	0.006	1.659	7.239
	May	0.797	0.267	0.298	0.210	0.222	0.007	1.800	9.039
	June	0.864	0.319	0.310	0.195	0.232	0.007	1.927	10.966
	July	0.973	0.356	0.381	0.190	0.235	0.007	2.143	13.109
	August	0.957	0.362	0.347	0.190	0.245	0.006	2.107	15.216
	September	0.868	0.334	0.281	0.187	0.211	0.007	1.888	17.104
	October	0.824	0.294	0.246	0.194	0.205	0.007	1.771	18.875
	November	0.832	0.241	0.265	0.228	0.210	0.007	1.783	20.657
	December	0.888	0.226	0.349	0.253	0.256	0.007	1.979	22.636
	TOTAL	**10.264**	**3.285**	**3.821**	**2.482**	**2.702**	**0.082**	**22.636**	
1978	January	0.922	0.236	0.426	0.277	0.278	0.007	2.146	2.146
	February	0.772	0.218	0.412	0.249	0.235	0.006	1.892	4.037
	March	0.732	0.240	0.393	0.272	0.242	0.005	1.884	5.921
	April	0.743	0.231	0.265	0.279	0.189	0.004	1.712	7.634
	May	0.799	0.270	0.262	0.315	0.220	0.004	1.870	9.504
	June	0.880	0.332	0.286	0.277	0.239	0.005	2.019	11.523
	July	0.954	0.375	0.315	0.270	0.269	0.005	2.188	13.711
	August	0.998	0.353	0.346	0.247	0.276	0.006	2.225	15.937
	September	0.921	0.308	0.286	0.236	0.239	0.007	1.997	17.933
	October	0.856	0.272	0.272	0.218	0.248	0.005	1.871	19.804
	November	0.854	0.236	0.287	0.223	0.268	0.006	1.874	21.677
	December	0.940	0.227	0.360	0.246	0.274	0.007	2.053	23.730
	TOTAL	**10.372**	**3.297**	**3.908**	**3.109**	**2.977**	**0.068**	**23.730**	
1979	January	1.012	0.236	0.422	0.277	0.299	0.007	2.252	2.252
	February	0.904	0.235	0.348	0.238	0.279	0.006	2.009	4.261
	March	0.900	0.270	0.237	0.286	0.262	0.008	R1.962	6.224
	April	R0.838	0.270	0.220	0.280	0.198	0.007	R1.813	R8.037
	May	R0.897	0.288	0.231	0.318	0.162	0.007	1.902	9.939
	TOTAL (Year to date)	**4.550**	**1.298**	**1.457**	**1.399**	**1.201**	**0.034**	**9.939**	

[1]Includes bituminous coal, lignite, and anthracite coal.
[2]Includes net imports of electricity.
[3]Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • See footnote on page 22.

Crude Oil and Refined Petroleum Products

Domestic crude oil production averaged 8.6 million barrels per day in June**, 3.1 percent lower than in June 1978, and 0.6 percent lower than in May. The average for the first 6 months of 1979 was 8.6 million barrels per day.

Total petroleum imports* averaged 8.0 million barrels per day in June 1979, 2.1 percent more than the June 1978 rate, and 11.2 percent higher than in May. Imports* averaged 8.1 million barrels per day over the first 6 months of 1979.

In June 1979, 17.2 million barrels per day, of petroleum products were supplied for consumption in the United States. Gasoline accounted for 41.5 percent of the total, distillate fuel 15.9 percent and residual fuel oil was 15.5 percent. During the first 6 months of 1979, an average of 19.0 million barrels of petroleum products were supplied each day.

7.1 million barrels per day of motor gasoline were supplied in June 1979, 9.9 percent lower than June 1978, and 0.7 percent lower than in May 1979. The January through June average was 7.1 million barrels per day.

In June 1979, 2.7 million barrels of distillate fuel oil were supplied per day, 3.8 percent lower than a year ago, and 9.3 percent lower than May. The average for the January through June period, 1979 was 3.6 million barrels per day. Distillate fuel oil stocks were 143.5 million barrels at the end of June, 8.9 percent below the stock level 1 year ago, and 16.7 percent higher than a month ago.

2.7 million barrels per day of residual fuel oil were supplied in June, 1.9 percent higher than in June 1978. The average over the January through June period of 1979 was 3.0 million barrels per day. Residual fuel oil stocks measured 79.1 million barrels at the end of June, 10.0 percent above a year ago, and 6.5 percent lower than the previous month.

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*Excludes crude petroleum imported for the Strategic Petroleum Reserve.

**June 1979 estimates are based on preliminary data from the American Petroleum Institute and will be revised to conform with data from the EIA Petroleum Reporting System as available.

Petroleum

Crude Oil

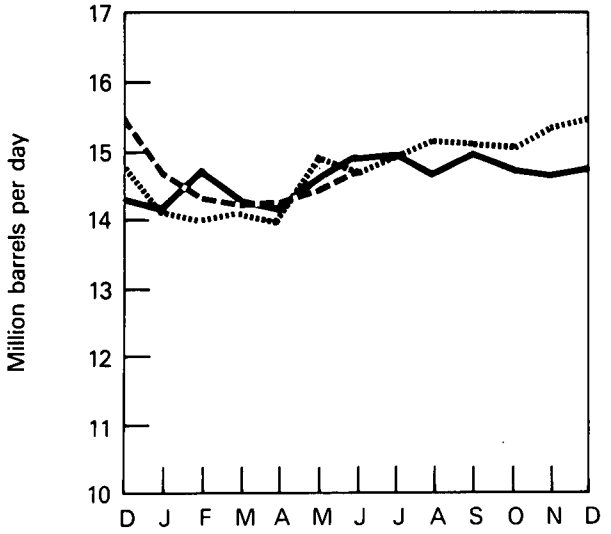
		Crude Input to Refineries	Total Domestic Production[1,2]	Alaskan Production	Crude Oil Imports[1,3]	Strategic Petroleum Reserve (SPR) Imports[5]	Exports	Crude Oil Stocks[1,4]	Strategic Petroleum Reserve (SPR) Stocks[5]
		Thousand barrels per day						Thousand barrels	
1973	**AVERAGE**	**12,431**	**9,208**	**198**	**3,244**		**2**	**‡242,478**	
1974	**AVERAGE**	**12,133**	**8,774**	**193**	**3,477**		**3**	**‡265,020**	
1975	**AVERAGE**	**12,442**	**8,375**	**191**	**4,105**		**6**	**‡271,354**	
1976	**AVERAGE**	**13,416**	**8,132**	**173**	**5,287**		**8**	**‡285,471**	
1977	January	14,130	7,854	172	6,281		13	294,116	
	February	14,734	8,139	167	6,659		59	291,462	
	March	14,263	8,090	164	6,699		32	299,533	
	April	14,177	8,145	163	6,821		17	318,872	
	May	14,593	8,075	166	6,818		89	328,755	
	June	14,865	8,102	285	7,065		10	333,746	
	July	14,882	8,105	371	7,068		53	335,313	
	August	14,642	8,307	638	6,395		37	338,865	
	September	14,924	8,480	861	6,429		91	334,133	
	October	14,654	8,573	839	6,409	93	85	340,549	2,646
	November	14,636	8,579	860	6,248	73	45	345,197	5,084
	December	14,748	8,487	858	6,248	79	69	339,857	7,826
	AVERAGE	**14,602**	**8,245**	**464**	**6,594**	**[6]21**	**50**		
1978	January	14,139	8,347	867	5,974	114	98	340,082	11,106
	February	13,959	8,373	853	5,551	109	8	335,794	14,276
	March	14,141	8,807	1,246	5,981	132	60	345,333	18,437
	April	13,872	8,708	1,187	5,331	108	92	343,201	21,825
	May	14,982	8,801	1,279	5,452	133	124	329,020	25,629
	June	14,685	8,822	1,304	6,227	146	195	333,247	30,140
	July	14,903	8,747	1,293	6,036	154	138	332,691	35,248
	August	15,178	8,788	1,314	6,118	184	175	316,730	40,968
	September	15,076	8,787	1,320	6,720	225	251	321,213	47,090
	October	15,002	8,830	1,340	6,299	195	272	324,765	53,113
	November	15,336	8,728	1,348	6,413	188	218	322,315	59,312
	December	15,421	8,651	1,345	6,711	245	251	309,915	66,860
	AVERAGE	**14,732**	**8,701**	**1,227**	**6,071**	**161**	**158**		
1979	January	14,658	8,457	1,351	6,562	204	177	302,728	73,142
	February	R14,121	8,498	1,267	R6,250	178	288	R302,981	78,166
	March	14,243	8,584	1,355	6,081	122	NA	308,732	82,501
	April	14,571	*8,620*	1,355	6,041	66	NA	312,815	83,867
	May	R14,451	*8,600*	1,340	R5,610	97	NA	R317,044	86,880
	June	*14,700*	*8,550*	NA	*6,392*	NA	NA	*330,234*	
	AVERAGE	**14,461**	**8,552**	**1,335**	**6,154**	**133**	**233**		

[1]See Definitions.
[2]Includes Alaskan production.
[3]Excludes SPR imports.
[4]Excludes SPR stocks.
[5]Strategic Petroleum Reserve storage began in October 1977.
[6]This is an annual average. The average for 3 months is 80.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual."
• January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through May 1979: EIA "Monthly Petroleum Statistics Report." (except domestic production).
• June 1979 data are EIA estimates based on data from the American Petroleum Institute "Weekly Statistical Bulletin." (except domestic production).
Domestic production is based upon reports from the State Conservation Agencies for February and March 1979. April, May, and June 1979 estimates are based upon the P124, "Crude Purchasers Report" and partial returns from State Conservation Agencies where available.

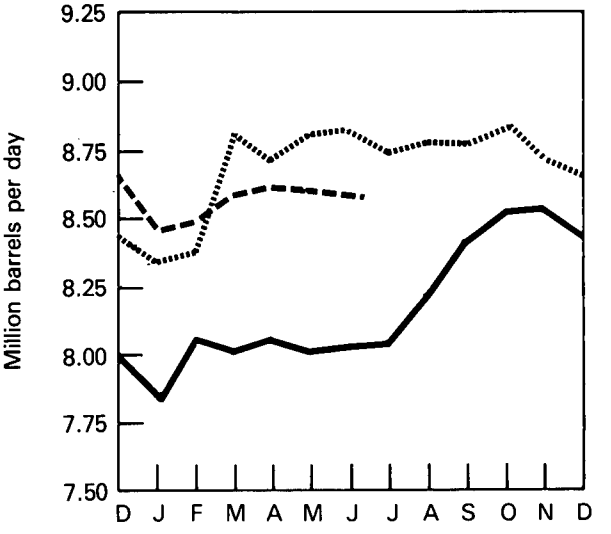
Petroleum

Crude Oil

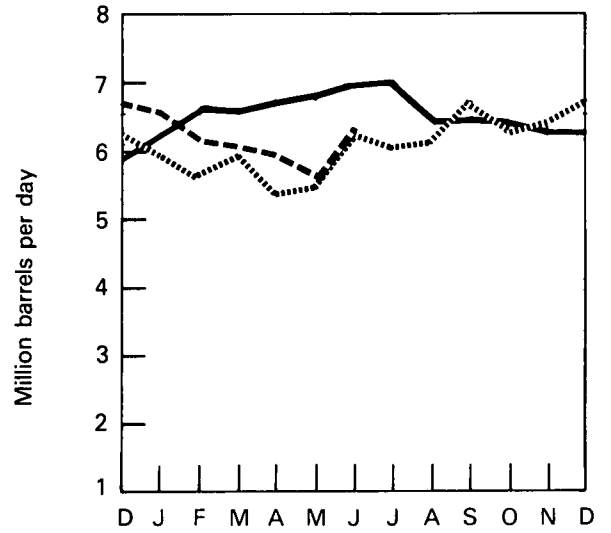
Crude Input to Refineries



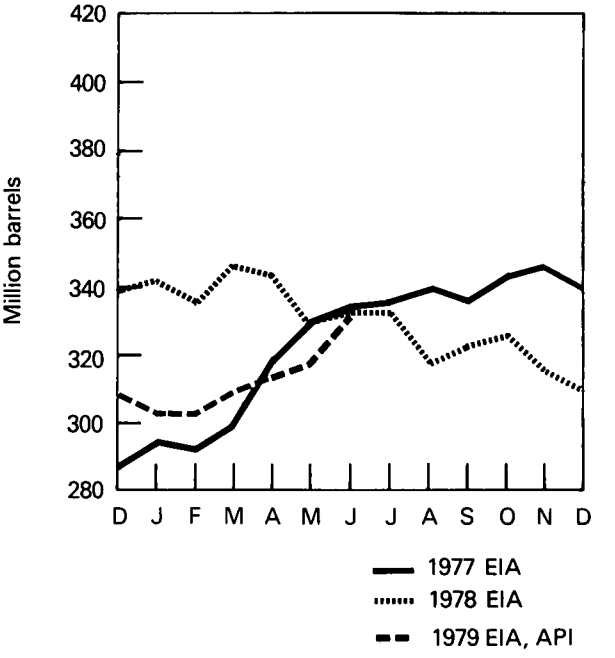
Domestic Production



Imports (Excluding Imports for SPR)



Stocks (Excluding SPR)



Petroleum

Total Refined Petroleum Products[1]

Total Petroleum Imports (Crude Oil and Refined Products)

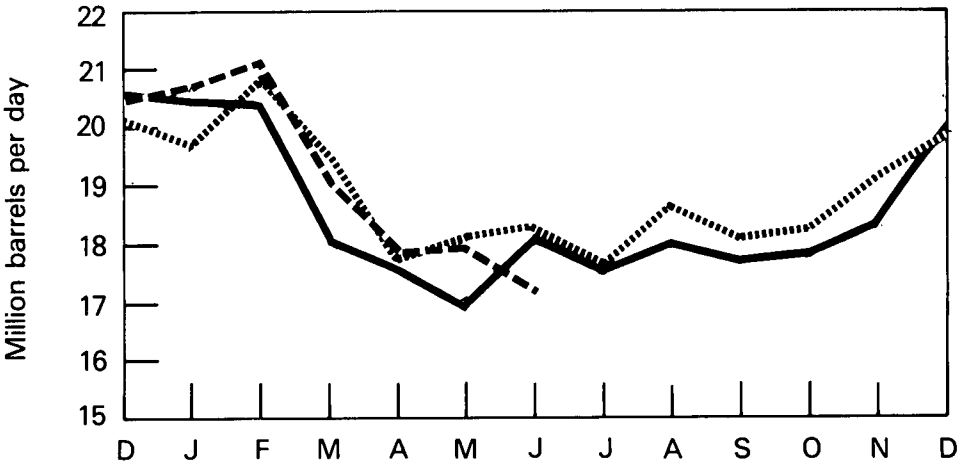
		Products Supplied	Imports	Exports	Total Imports (Excluding SPR)	SPR Imports[2]	Total Imports (Including SPR)[3]
		Thousand barrels per day			Thousand barrels per day		
1973	**AVERAGE**	**17,308**	**3,012**	**229**	**6,256**		
1974	**AVERAGE**	**16,653**	**2,635**	**218**	**6,112**		
1975	**AVERAGE**	**16,322**	**1,951**	**204**	**6,056**		
1976	**AVERAGE**	**17,461**	**2,026**	**215**	**7,313**		
1977	January	20,504	2,622	179	8,903		8,903
	February	20,482	3,338	175	9,997		9,997
	March	18,124	2,684	175	9,383		9,383
	April	17,580	1,902	207	8,723		8,723
	May	16,972	1,753	199	8,571		8,571
	June	18,043	1,872	215	8,937		8,937
	July	17,568	2,027	201	9,095		9,095
	August	18,012	2,179	193	8,574		8,574
	September	17,714	2,137	203	8,567		8,567
	October	17,824	1,862	170	8,271	93	8,364
	November	18,437	1,814	190	8,062	73	8,135
	December	20,052	2,198	206	8,446	79	8,525
	AVERAGE	**18,431**	**2,193**	**193**	**8,787**	**[3]21**	**8,807**
1978	January	19,691	2,065	158	8,040	114	8,154
	February	20,874	2,337	200	7,887	109	7,996
	March	19,627	2,323	209	8,304	132	8,436
	April	17,714	2,100	245	7,431	108	7,539
	May	18,133	1,762	189	7,215	133	7,348
	June	18,271	1,624	204	7,851	146	7,997
	July	17,631	1,948	192	7,984	154	8,138
	August	18,611	1,850	229	7,968	184	8,153
	September	17,933	1,983	226	8,704	225	8,928
	October	18,408	1,724	197	8,021	195	8,217
	November	19,176	2,030	191	8,443	188	8,631
	December	19,920	2,233	205	8,943	245	9,188
	AVERAGE	**18,822**	**1,997**	**204**	**8,067**	**161**	**8,228**
1979	January	20,640	2,205	212	8,767	204	8,971
	February	R21,152	R2,069	200	R8,319	178	R8,497
	March	19,078	2,265	NA	8,346	122	8,468
	April	17,870	1,639	NA	7,680	66	7,746
	May	R17,986	R1,593	NA	R7,203	97	7,300
	June	*17,206*	*1,620*	NA	*8,012*	NA	NA
	AVERAGE	**18,969**	**1,899**	**206**	**8,052**	**133**	

[1]See Definitions.
[2]Strategic Petroleum Reserve storage began in October 1977.
[3]This is an annual average. The average for 3 months is 80.
Estimated data in italics. These are likely to be revised next month.
R=Revised data.
NA=Not available.
Note: Totals may not equal sum of components due to independent rounding.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual."
• January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through May 1979: EIA "Monthly Petroleum Statistics Report."
• June 1979 data are EIA estimates based on data from the American Petroleum Institute "Weekly Statistical Bulletin."

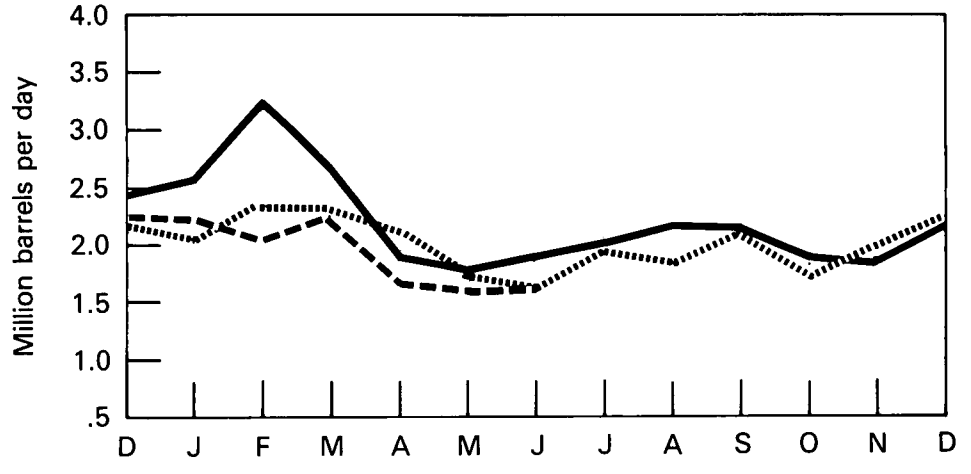
Petroleum

Total Petroleum Products Supplied and Imports

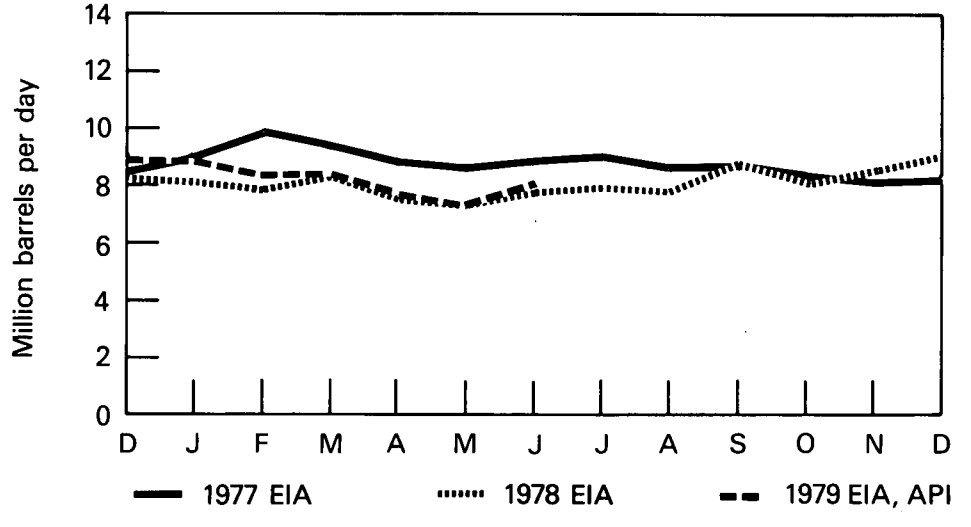
Total Refined Petroleum Products Supplied



Refined Product Imports



Total Petroleum Imports (Excluding Imports for SPR)



Petroleum

Petroleum Imports from OPEC Sources

	Algeria	Indonesia	Iran	Libya	Nigeria	Saudi Arabia	United Arab Emirates	Venezuela	Other OPEC[1]	Total OPEC	Arab Members of OPEC
						Thousand barrels per day					
1973											
AVERAGE	**136.0**	**213.3**	**222.8**	**164.4**	**458.8**	**485.7**	**70.6**	**1,134.9**	**106.4**	**2,992.9**	**914.7**
1974											
AVERAGE	**190.1**	**300.4**	**468.8**	**4.4**	**713.4**	**461.3**	**73.9**	**979.1**	**88.4**	**3,279.8**	**752.5**
1975											
AVERAGE	**282.4**	**389.6**	**280.4**	**231.8**	**761.8**	**714.6**	**116.7**	**702.5**	**121.5**	**3,601.3**	**1,382.6**
1976											
AVERAGE	**432.2**	**538.8**	**298.5**	**453.3**	**1,024.7**	**1,229.8**	**254.4**	**700.1**	**134.0**	**5,065.8**	**2,424.1**
1977											
January	488.0	637.2	396.8	624.5	1,272.5	1,327.1	319.5	841.8	324.4	6,231.8	2,990.9
February	666.1	581.0	412.4	652.8	1,256.3	1,441.8	316.7	937.5	241.0	6,505.5	3,118.0
March	470.8	574.5	735.0	738.3	1,299.9	1,347.8	369.5	678.9	193.1	6,407.8	3,035.8
April	664.9	523.9	517.2	782.9	1,254.5	1,437.4	323.7	666.0	250.4	6,420.9	3,367.6
May	392.8	509.5	562.9	768.7	1,072.3	1,724.1	252.5	534.4	412.3	6,229.5	3,427.8
June	453.3	671.6	562.8	841.3	1,223.0	1,432.6	438.6	668.7	338.2	6,630.0	3,399.5
July	567.8	538.9	857.3	763.4	1,194.7	1,404.9	274.3	655.6	350.8	6,606.3	3,247.9
August	632.2	552.8	500.1	640.0	975.2	1,401.0	308.6	753.1	276.9	6,039.9	3,121.5
September	550.8	391.0	448.6	679.2	1,084.8	1,487.4	348.4	744.8	201.4	5,936.4	3,215.2
October	663.0	466.8	413.0	679.7	1,159.3	1,342.9	253.3	591.5	272.1	5,841.6	3,142.4
November	590.6	514.6	422.7	846.9	943.0	1,119.2	420.1	521.3	285.0	5,663.4	3,169.3
December	574.0	533.1	573.4	656.4	989.6	1,102.8	402.4	709.5	289.2	5,830.4	2,958.3
AVERAGE	**558.6**	**541.0**	**535.0**	**722.6**	**1,143.0**	**1,380.4**	**335.3**	**690.4**	**286.7**	**6,193.1**	**3,182.2**
1978											
January	682.3	462.7	681.5	559.9	822.9	1,198.2	348.7	628.4	227.9	5,612.5	2,925.1
February	635.9	393.5	526.2	575.8	758.4	982.4	485.8	750.5	252.6	5,360.1	2,792.3
March	709.5	579.4	547.3	589.9	944.8	1,125.6	296.2	893.6	240.6	5,926.9	2,884.0
April	597.6	504.7	408.6	601.8	584.3	986.6	435.0	641.9	220.2	4,980.7	2,732.2
May	667.1	508.5	730.4	498.7	790.2	786.3	404.5	527.6	84.5	4,997.8	2,396.7
June	756.6	637.1	508.5	630.3	851.7	1,111.3	342.8	481.1	235.3	5,554.7	3,004.8
July	662.5	617.8	532.5	622.2	945.0	1,028.8	289.4	531.9	286.9	5,517.0	2,784.6
August	464.2	533.4	574.2	781.6	934.5	1,102.5	404.2	505.8	206.5	5,506.9	2,872.2
September	609.9	572.7	586.4	757.5	1,029.6	1,242.6	389.6	648.2	257.0	6,093.5	3,164.1
October	678.8	527.9	608.2	697.6	927.7	1,167.3	397.2	524.1	112.6	5,641.4	2,983.0
November	559.4	506.2	455.5	749.0	1,146.3	1,380.7	415.1	635.1	222.0	6,069.3	3,245.3
December	561.5	603.0	368.8	663.7	1,107.0	1,524.8	344.5	841.6	345.6	6,360.5	3,267.4
AVERAGE	**632.1**	**538.2**	**544.7**	**644.1**	**904.7**	**1,137.2**	**378.4**	**633.5**	**224.0**	**5,636.9**	**2,920.8**
1979											
January	R663.1	R502.8	187.1	R734.9	R1,115.0	1,557.1	341.4	R656.9	R229.0	R5,987.3	R3,393.9
February	R723.7	R504.8	85.8	609.3	963.1	R1,613.4	R309.8	R754.8	R170.7	R5,735.4	R3,362.0
March	579.0	364.8	22.2	602.1	1,368.1	1,289.3	298.4	843.1	224.5	5,591.5	2,914.9
April	673.5	348.3	34.9	770.8	963.0	1,483.5	285.2	620.9	129.5	5,309.7	3,297.7
May	625.7	286.3	196.5	637.6	1,063.9	1,233.9	291.9	620.6	147.5	5,104.1	2,841.6
AVERAGE	**651.5**	**399.7**	**106.2**	**671.5**	**1,098.1**	**1,432.5**	**305.4**	**698.7**	**180.8**	**5,543.4**	**3,157.1**

[1]Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.
R=Revised data.
Note: Components may not equal averages due to independent rounding.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual" and "PAD District Supply/Demand, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "PAD Districts Supply/Demand, Annual;" January 1978 through February 1979: EIA *Energy Data Reports*, "PAD Districts Supply/Demand, Monthly."
• March 1979 through May 1979: EIA, "Monthly Petroleum Statistics Report."

Petroleum

Petroleum Imports from Non-OPEC Sources

	Bahamas	Canada	Mexico	Netherlands Antilles	Puerto Rico	Trinidad and Tobago	Virgin Islands	Other	Total
				Thousand barrels per day					
1973									
AVERAGE	**174.0**	**1,314.8**	**15.7**	**584.7**	**99.5**	**254.8**	**329.4**	**480.3**	**3,263.2**
1974									
AVERAGE	**163.8**	**1,069.5**	**8.5**	**511.0**	**90.4**	**250.8**	**391.0**	**347.4**	**2,832.4**
1975									
AVERAGE	**152.4**	**846.4**	**71.4**	**331.8**	**89.7**	**242.4**	**406.4**	**313.9**	**2,454.4**
1976									
AVERAGE	**118.5**	**599.3**	**87.2**	**275.4**	**88.1**	**274.3**	**422.3**	**381.7**	**2,246.8**
1977									
January	170.0	514.5	97.9	304.7	82.6	327.0	619.7	554.8	2,671.2
February	302.7	607.1	168.0	382.4	86.3	413.3	549.0	983.0	3,491.8
March	206.1	564.7	171.5	246.1	97.4	301.5	505.4	882.2	2,974.9
April	141.3	507.0	155.2	110.7	85.3	218.5	409.0	674.7	2,301.7
May	138.5	438.2	173.7	153.7	105.8	308.1	376.2	647.4	2,341.6
June	137.7	494.0	180.7	196.1	89.4	271.1	322.0	616.1	2,307.1
July	177.9	483.2	158.7	239.0	127.2	275.8	477.7	549.4	2,488.9
August	168.8	502.5	215.2	224.5	118.8	281.2	431.2	592.3	2,534.5
September	140.2	528.5	167.6	201.1	156.7	250.9	433.9	751.5	2,630.4
October	122.3	481.8	246.6	196.5	114.1	288.4	451.9	620.9	2,522.5
November	184.4	509.2	230.7	93.3	98.7	237.2	462.8	655.0	2,471.3
December	166.8	580.2	186.6	191.9	97.8	305.5	555.6	610.2	2,694.6
AVERAGE	**170.5**	**516.9**	**179.4**	**210.9**	**105.1**	**289.3**	**466.2**	**675.8**	**2,614.1**
1978									
January	167.5	479.7	236.4	215.2	98.0	295.0	466.0	583.3	2,541.1
February	217.6	507.5	221.9	225.2	99.6	295.8	490.6	577.9	2,636.1
March	211.5	436.9	230.9	238.1	63.6	274.2	492.8	560.8	2,508.8
April	140.9	392.4	231.4	258.3	95.0	302.1	371.9	766.7	2,558.7
May	194.3	396.0	257.6	230.6	73.6	189.0	304.0	704.6	2,349.7
June	144.6	472.6	287.1	213.3	117.6	199.3	324.5	683.6	2,442.6
July	166.0	531.0	319.5	201.6	93.8	281.7	402.2	625.4	2,621.2
August	187.7	422.9	372.9	291.0	82.3	247.6	431.0	610.4	2,645.8
September	116.8	431.6	460.6	217.1	95.2	262.1	431.6	819.7	2,834.7
October	105.9	433.1	392.1	175.5	88.5	203.8	476.3	700.3	2,575.5
November	158.8	469.2	401.8	223.4	71.3	215.1	485.7	536.0	2,561.3
December	92.3	651.0	396.0	271.6	96.3	249.6	448.3	622.6	2,827.7
AVERAGE	**158.4**	**468.6**	**317.8**	**230.1**	**89.4**	**251.0**	**426.8**	**649.4**	**2,591.5**
1979									
January	R159.5	R564.1	R560.3	R227.0	R109.1	116.0	477.0	R770.1	2,983.1
February	103.5	R561.7	R415.4	254.8	68.2	R191.4	421.1	R745.4	R2,761.5
March	92.4	521.8	397.5	314.1	63.8	214.7	561.6	710.7	2,876.6
April	129.4	543.3	299.9	172.9	64.9	144.1	474.7	605.1	2,436.3
May	118.9	446.2	362.4	171.1	101.7	80.7	382.0	532.9	2,195.9
AVERAGE	**121.0**	**526.6**	**407.6**	**227.8**	**81.9**	**148.6**	**464.0**	**671.8**	**2,649.9**

R=Revised data.
Note: Components may not equal averages due to independent rounding.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual" and "PAD District Supply/Demand, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "PAD Districts Supply/Demand, Annual;" January 1978 through February 1979: EIA *Energy Data Reports*, "PAD Districts Supply/Demand, Monthly."
• March 1979 through May 1979: EIA "Monthly Petroleum Statistics Report."

Petroleum

Motor Gasoline

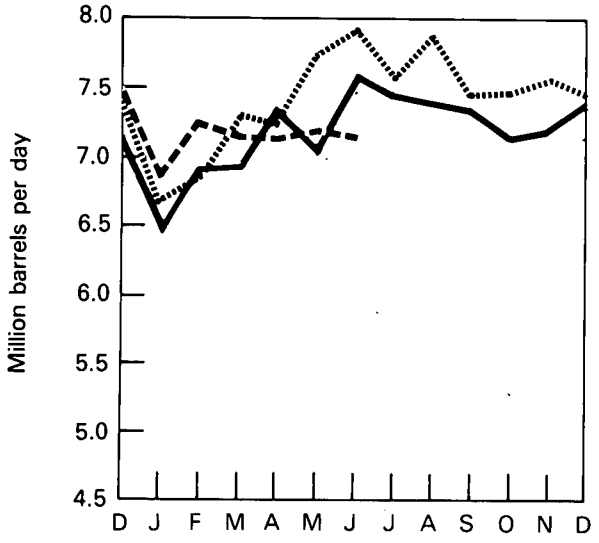
		Product Supplied						
		Total	Unleaded	Unleaded Percent of Total	Production[1]	Imports	Exports	Stocks[1]
		Thousand barrels per day						Thousand barrels
1973	**AVERAGE**	**6,674**	**NA**	**NA**	**6,527**	**134**	**4**	**‡209,395**
1974	**AVERAGE**	**6,537**	**NA**	**NA**	**6,358**	**204**	**2**	**‡218,346**
1975	**AVERAGE**	**6,675**	**NA**	**NA**	**6,518**	**184**	**2**	**‡234,925**
1976	**AVERAGE**	**6,978**	**1,508**	**21.6**	**6,838**	**131**	**3**	**‡231,387**
1977	January	6,472	1,549	23.9	6,932	231	8	252,608
	February	6,900	1,773	25.7	6,815	188	2	255,519
	March	6,908	1,657	24.0	6,862	257	0	262,118
	April	7,345	1,863	25.4	6,966	269	1	258,835
	May	7,029	1,803	25.7	6,945	202	2	262,504
	June	7,593	2,142	28.2	7,144	246	1	256,446
	July	7,439	2,146	28.8	7,247	248	1	258,185
	August	7,420	2,096	28.2	7,188	190	1	256,904
	September	7,316	2,081	28.4	7,059	222	1	255,859
	October	7,130	2,135	29.9	6,930	179	1	255,194
	November	7,191	2,060	28.6	7,123	179	2	258,537
	December	7,375	2,400	32.5	7,146	197	1	257,578
	AVERAGE	**7,177**	**1,976**	**27.5**	**7,031**	**217**	**2**	
1978	January	6,670	2,097	31.4	6,932	211	1	272,287
	February	6,884	2,162	31.4	6,630	210	1	271,077
	March	7,256	2,425	33.4	6,750	142	1	259,801
	April	7,206	2,391	33.2	6,668	180	1	249,079
	May	7,732	2,343	30.3	7,059	174	2	233,612
	June	7,917	2,697	34.1	7,213	238	1	219,660
	July	7,579	2,629	34.7	7,264	212	2	216,488
	August	7,872	2,834	36.0	7,453	183	1	209,194
	September	7,406	2,607	35.2	7,399	257	2	216,682
	October	7,461	2,576	34.5	7,176	188	2	213,665
	November	7,518	2,713	36.1	7,583	161	1	220,516
	December	7,454	2,751	36.7	7,831	182	1	237,885
	AVERAGE	**7,416**	**2,521**	**33.9**	**7,167**	**195**	**1**	
1979	January	6,893	2,609	R37.8	7,272	179	2	255,664
	February	R7,267	2,715	R37.4	R6,941	R160	2	R251,346
	March	7,140	2,733	38.3	6,653	166	NA	241,058
	April	7,125	2,786	39.1	6,765	156	NA	235,206
	May	R7,185	R2,751	R38.3	R6,786	R142	NA	227,178
	June	*7,136*	*2,776*	*38.9*	*7,014*	*200*	NA	*231,912*
	AVERAGE	**7,122**	**2,728**	**38.3**	**6,905**	**167**	**2**	

[1]See Definitions.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: Leaded gasoline data—• 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual."
• January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through May 1979: EIA, "Monthly Petroleum Statistics Report."
• June 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."
• Unleaded data—EIA Forms 87, 88, 89.

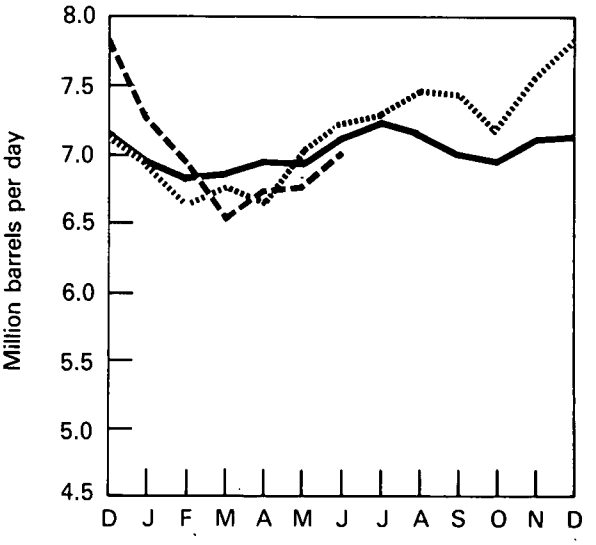
Petroleum

Motor Gasoline

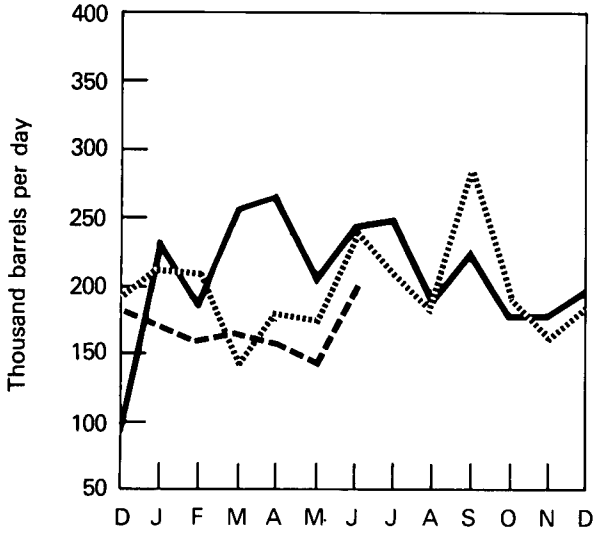
Product Supplied



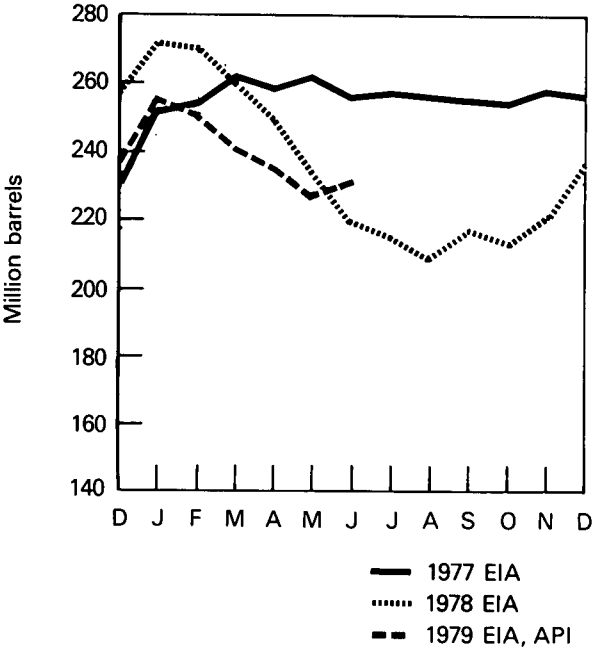
Production



Imports



Stocks



Petroleum

Jet Fuel

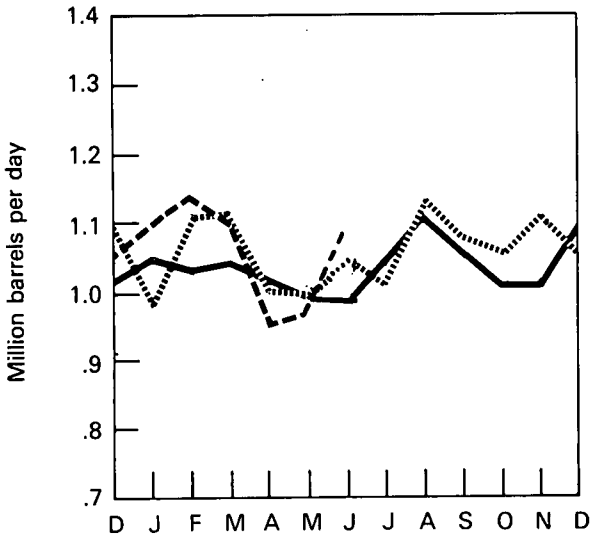
		Product Supplied	Production	Imports	Exports	Stocks
		Thousand barrels per day				Thousand barrels
1973	**AVERAGE**	**1,059**	**859**	**212**	**4**	**‡28,544**
1974	**AVERAGE**	**993**	**836**	**163**	**3**	**‡29,435**
1975	**AVERAGE**	**1,001**	**871**	**133**	**2**	**‡30,380**
1976	**AVERAGE**	**987**	**918**	**76**	**2**	**‡32,085**
1977	January	1,054	916	77	2	30,156
	February	1,036	973	74	2	30,406
	March	1,040	953	99	2	30,721
	April	1,017	989	86	4	32,337
	May	991	977	57	2	33,626
	June	988	994	30	1	34,695
	July	1,041	967	85	1	35,015
	August	1,111	1,007	71	1	33,966
	September	1,048	1,002	53	2	34,133
	October	1,016	972	67	2	34,819
	November	1,035	948	107	1	35,386
	December	1,091	976	90	2	34,548
	AVERAGE	**1,039**	**973**	**75**	**2**	
1978	January	980	922	60	1	34,603
	February	1,107	994	69	2	33,332
	March	1,112	972	98	2	32,003
	April	1,014	983	119	1	34,626
	May	995	1,014	108	2	38,514
	June	1,055	960	59	2	37,408
	July	1,012	928	105	2	38,014
	August	1,129	970	86	1	35,731
	September	1,078	991	75	1	35,324
	October	1,072	937	65	2	33,106
	November	1,112	1,016	89	2	32,838
	December	1,056	994	90	2	33,667
	AVERAGE	**1,060**	**973**	**85**	**2**	
1979	January	1,100	950	97	1	31,993
	February	1,137	R996	R88	2	R30,449
	March	1,096	1,097	61	NA	32,381
	April	957	R1,036	40	NA	35,977
	May	R977	R976	R45	NA	R37,540
	June	*1,077*	*985*	*43*	NA	*36,980*
	AVERAGE	**1,056**	**1,007**	**62**	**2**	

Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through May 1979: EIA, "Monthly Petroleum Statistics Report."
• June 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."

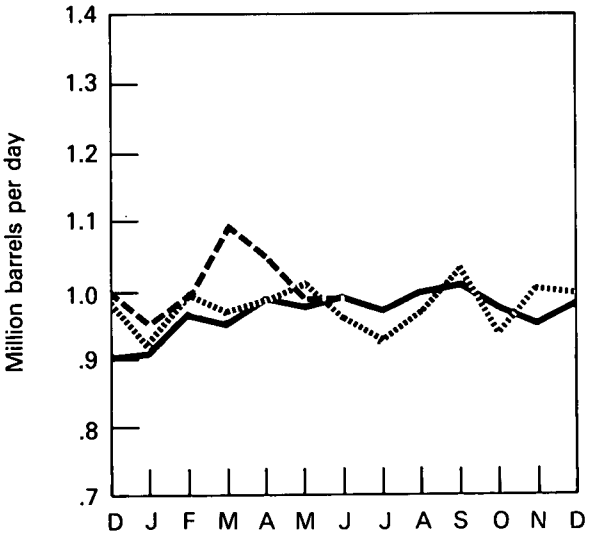
Petroleum

Jet Fuel

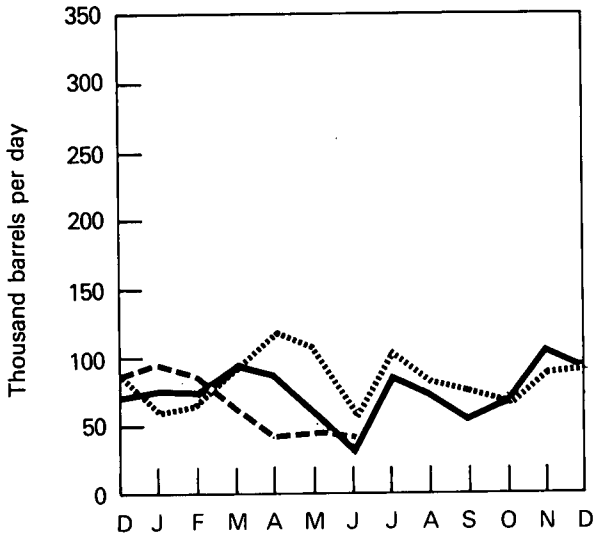
Product Supplied



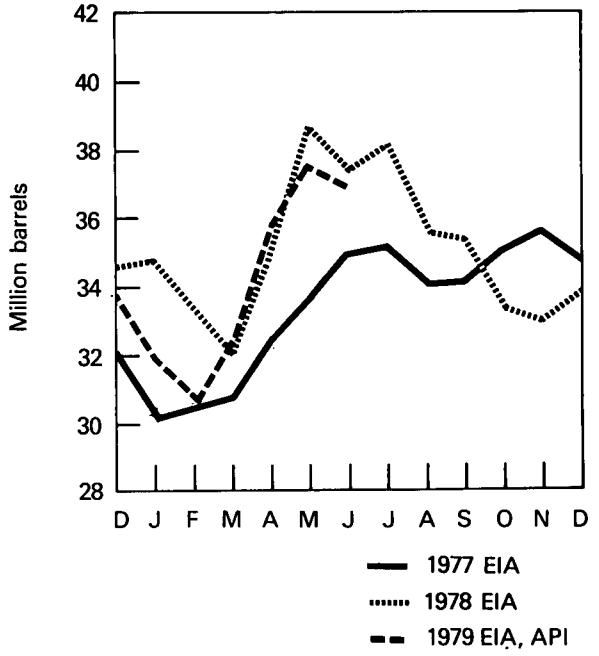
Production



Imports



Stocks



Petroleum

Distillate Fuel Oil

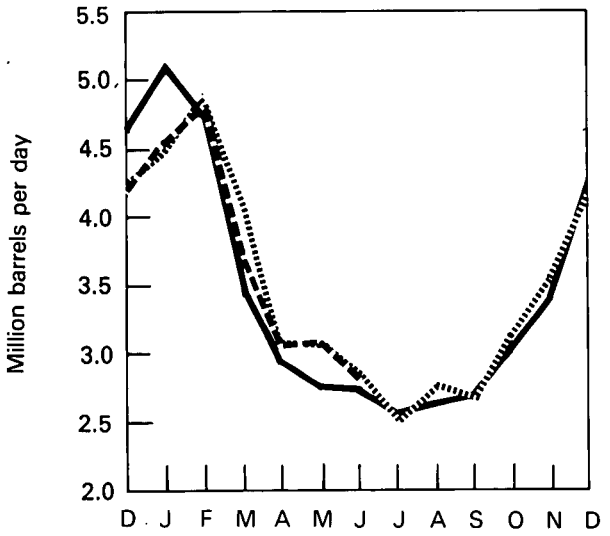
		Product Supplied	Production[1]	Imports	Exports	Stocks[1]
		Thousand barrels per day				Thousand barrels
1973	**AVERAGE**	**3,092**	**2,820**	**392**	**9**	**‡196,421**
1974	**AVERAGE**	**2,948**	**2,668**	**289**	**2**	**‡200,029**
1975	**AVERAGE**	**2,851**	**2,653**	**155**	**1**	**‡208,787**
1976	**AVERAGE**	**3,133**	**2,924**	**146**	**1**	**‡185,948**
1977	January	5,103	3,369	347	1	142,975
	February	4,708	3,695	664	1	133,246
	March	3,442	3,173	547	1	141,876
	April	2,936	2,995	153	3	148,223
	May	2,782	3,130	99	0	162,222
	June	2,770	3,191	135	0	178,835
	July	2,550	3,198	191	0	204,875
	August	2,632	3,272	161	0	229,783
	September	2,714	3,311	169	1	252,783
	October	3,037	3,362	150	5	267,392
	November	3,421	3,339	188	3	270,571
	December	4,205	3,324	227	2	250,260
	AVERAGE	**3,352**	**3,277**	**250**	**1**	
1978	January	4,439	3,054	194	1	213,411
	February	4,831	2,937	209	16	165,830
	March	4,089	2,999	187	0	137,877
	April	3,092	2,941	100	6	136,240
	May	3,044	3,208	119	1	145,046
	June	2,837	3,105	146	0	157,515
	July	2,514	3,110	149	4	180,513
	August	2,779	3,278	143	4	200,351
	September	2,653	3,172	163	2	220,794
	October	3,068	3,286	178	2	233,066
	November	3,568	3,352	223	3	233,207
	December	4,135	3,337	254	2	216,367
	AVERAGE	**3,413**	**3,150**	**172**	**3**	
1979	January	4,543	3,005	226	1	175,695
	February	R4,792	R2,863	196	7	R127,034
	March	3,650	3,023	182	NA	113,340
	April	3,097	2,955	149	NA	113,942
	May	R3,009	R3,093	R175	NA	R122,986
	June	*2,728*	*3,148*	*180*	NA	*143,502*
	AVERAGE	**3,625**	**3,017**	**185**	**4**	

[1]See Definitions.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual."
• January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through May 1979: EIA, "Monthly Petroleum Statistics Report."
• June 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."

Petroleum

Distillate Fuel Oil

Product Supplied



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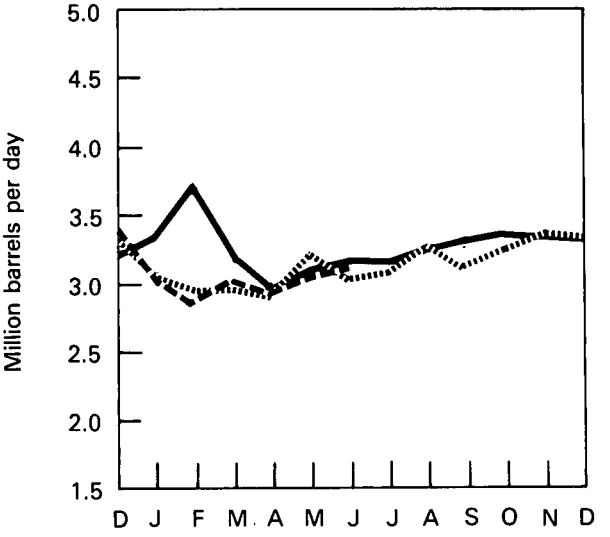

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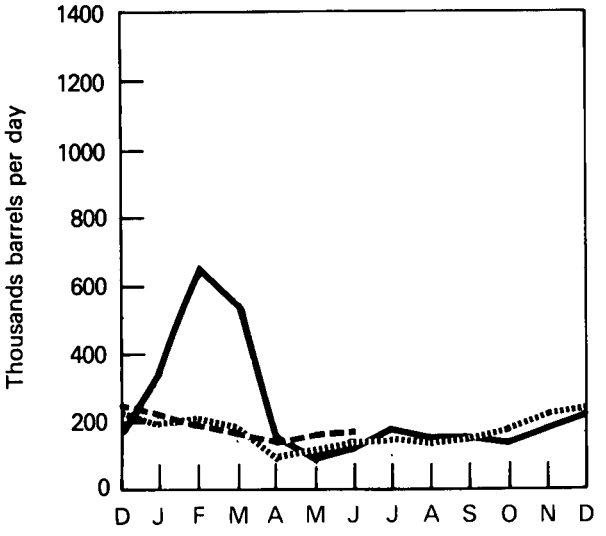
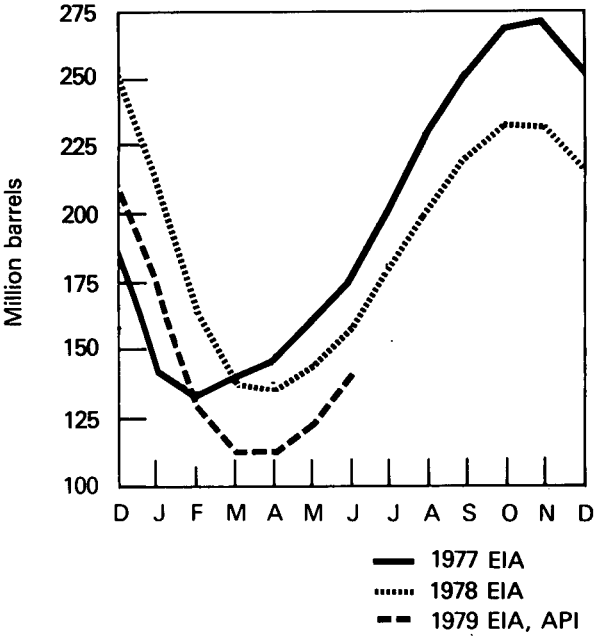


Stocks



Petroleum

Residual Fuel Oil

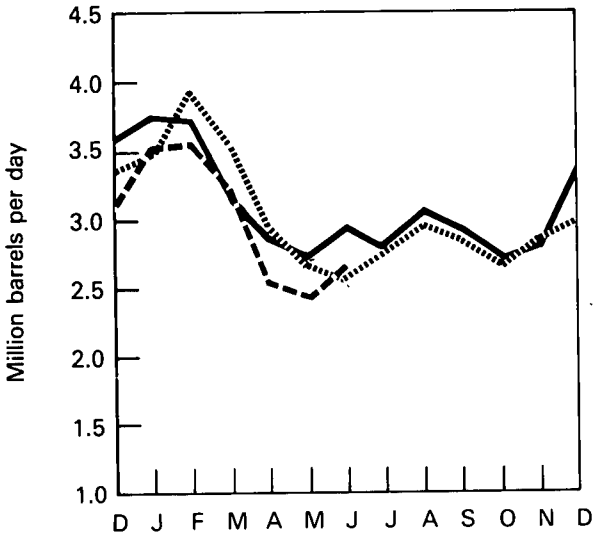
		Product Supplied	Production	Imports	Exports	Stocks
		Thousand barrels per day				Thousand barrels
1973	**AVERAGE**	**2,822**	**971**	**1,853**	**23**	**‡53,480**
1974	**AVERAGE**	**2,639**	**1,070**	**1,587**	**14**	**‡59,694**
1975	**AVERAGE**	**2,462**	**1,235**	**1,223**	**15**	**‡74,126**
1976	**AVERAGE**	**2,801**	**1,377**	**1,413**	**12**	**‡72,344**
1977	January	3,761	1,892	1,615	2	64,760
	February	3,719	1,955	1,996	8	71,429
	March	3,185	1,720	1,448	3	71,192
	April	2,874	1,691	1,140	3	70,186
	May	2,729	1,682	1,145	5	73,420
	June	2,958	1,720	1,181	2	72,036
	July	2,812	1,735	1,271	18	77,840
	August	3,049	1,635	1,441	9	78,798
	September	2,926	1,750	1,458	3	87,522
	October	2,707	1,749	1,218	2	95,896
	November	2,819	1,695	1,094	7	95,155
	December	3,354	1,839	1,348	12	89,993
	AVERAGE	**3,071**	**1,754**	**1,359**	**6**	
1978	January	3,496	1,872	1,358	13	81,434
	February	3,964	1,801	1,565	10	64,852
	March	3,536	1,758	1,700	22	62,187
	April	2,992	1,554	1,565	7	66,229
	May	2,667	1,646	1,221	16	72,359
	June	2,618	1,582	1,012	4	71,916
	July	2,780	1,593	1,296	10	75,346
	August	2,939	1,636	1,264	25	73,748
	September	2,714	1,647	1,315	12	81,186
	October	2,631	1,575	1,121	8	83,359
	November	2,849	1,672	1,351	6	88,769
	December	3,096	1,756	1,393	19	90,204
	AVERAGE	**3,018**	**1,674**	**1,345**	**13**	
1979	January	3,533	1,907	1,355	6	81,997
	February	R3,596	R1,792	R1,307	10	R68,229
	March	3,235	1,735	1,629	NA	71,722
	April	2,512	1,664	1,139	NA	81,102
	May	R2,489	R1,602	R1,007	NA	R84,632
	June	*2,669*	*1,586*	*982*	NA	*79,124*
	AVERAGE	**3,000**	**1,714**	**1,237**	**8**	

Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: • 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual."
• January 1978 through February 1979: EIA *Energy Data Reports*, "Petroleum Statement, Monthly,"
• March 1979 through May 1979: EIA, "Monthly Petroleum Statistics Report."
• June 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."

Petroleum

Residual Fuel Oil

Product Supplied



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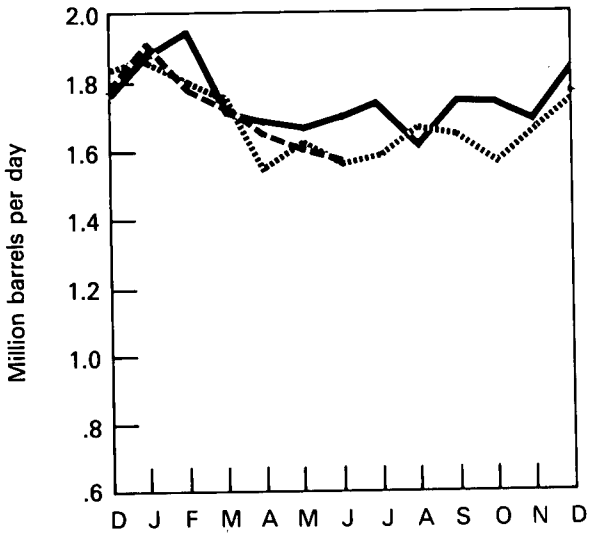
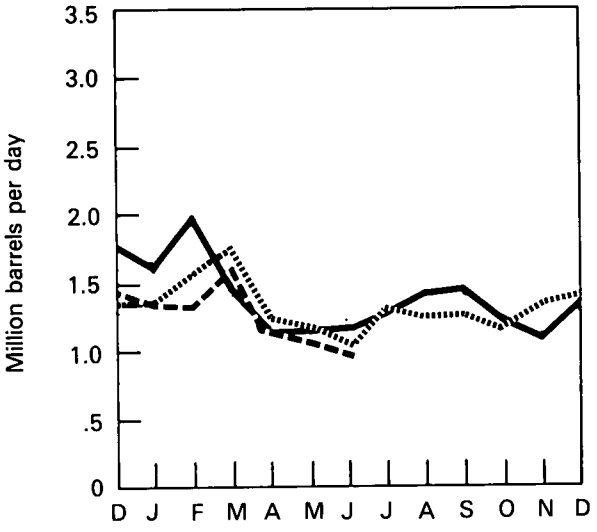
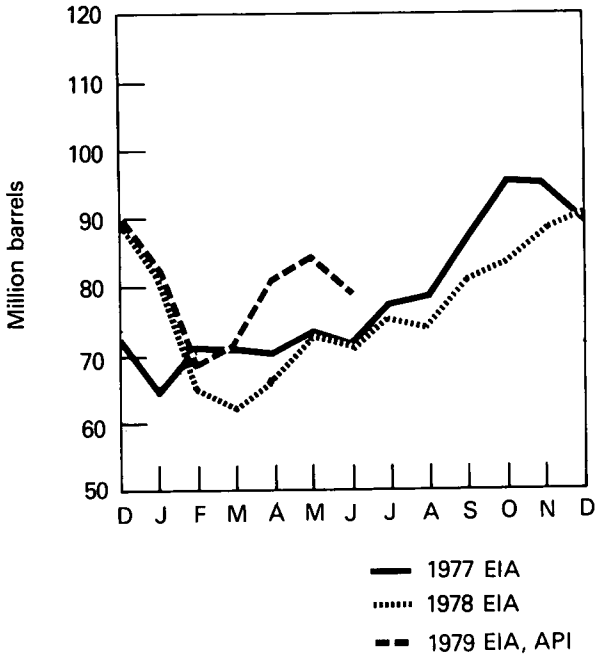


Imports



Stocks



Petroleum

Natural Gas Plant Liquids, Including Liquefied Refinery Gases

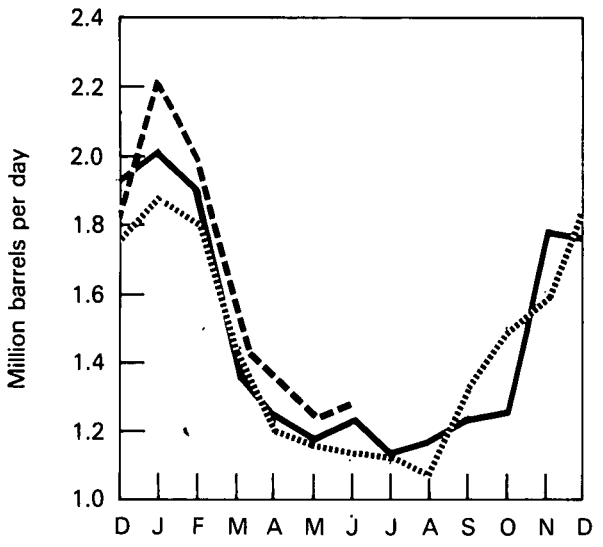
		Products Supplied[1]	Production[1]		Used at Refineries[1]	Imports	Stocks[1]
			At processing plants	At refineries			
		Thousand barrels per day					Thousand barrels
1973	**AVERAGE**	**1,454**	**1,738**	**375**	**815**	**239**	**‡106,659**
1974	**AVERAGE**	**1,422**	**1,688**	**338**	**746**	**212**	**‡120,175**
1975	**AVERAGE**	**1,352**	**1,633**	**311**	**710**	**185**	**‡132,653**
1976	**AVERAGE**	**1,407**	**1,603**	**340**	**725**	**196**	**‡124,518**
1977	January	1,938	1,549	323	735	244	106,445
	February	1,920	1,589	336	699	270	94,037
	March	1,360	1,687	331	690	241	99,942
	April	1,234	1,664	336	673	199	108,128
	May	1,174	1,620	397	614	165	119,910
	June	1,239	1,616	364	622	203	129,223
	July	1,137	1,609	381	594	157	141,542
	August	1,185	1,593	360	659	204	150,755
	September	1,209	1,585	352	654	148	157,089
	October	1,412	1,633	353	710	168	157,615
	November	1,589	1,627	349	700	187	153,452
	December	1,762	1,637	345	732	254	144,902
	AVERAGE	**1,427**	**1,618**	**352**	**673**	**203**	
1978	January	1,867	1,557	327	645	201	130,797
	February	1,802	1,562	338	659	207	120,274
	March	1,429	1,590	362	601	132	121,317
	April	1,161	1,619	349	599	100	130,002
	May	1,170	1,530	363	498	109	139,581
	June	1,126	1,583	368	649	109	147,540
	July	1,125	1,558	348	562	122	157,525
	August	1,076	1,556	337	657	93	164,536
	September	1,320	1,546	379	645	86	165,537
	October	1,477	1,540	352	660	116	161,006
	November	1,588	1,602	357	757	122	152,476
	December	1,829	1,566	363	745	258	140,052
	AVERAGE	**1,421**	**1,567**	**354**	**639**	**138**	
1979	January[3]	2,222	[2]1,748	337	763	256	[3]124,138
	February	1,998	1,703	325	757	252	110,412
	March	1,444	1,772	351	720	218	117,000
	April	1,365	1,767	348	707	140	122,000
	May	1,249	1,713	364	648	125	131,000
	June	1,287	1,750	370	645	130	140,000
	AVERAGE	**1,590**	**1,743**	**349**	**706**	**186**	

[1]See Explanatory Note 7, and definitions.
[2]New basis—Additional coverage of From EIA-64 "Natural Gas Liquids Operations Report.
[3]EIA natural gas plant coverage was expanded in January 1979 to include approximately 200 more plants. Calculated on the new basis, January 1979 opening stocks of natural gas plant liquids totaled 144,500 thousand barrels.
‡Total as of December 31.
R=Revised data.
Sources: • 1973 through 1977: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual."
• January 1978 through February 1979: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Monthly."
• March 1979 through June 1979: EIA estimates.

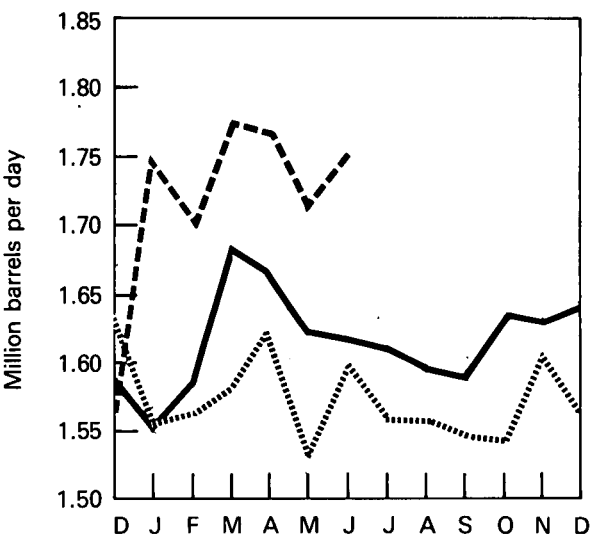
Petroleum

Natural Gas Plant Liquids

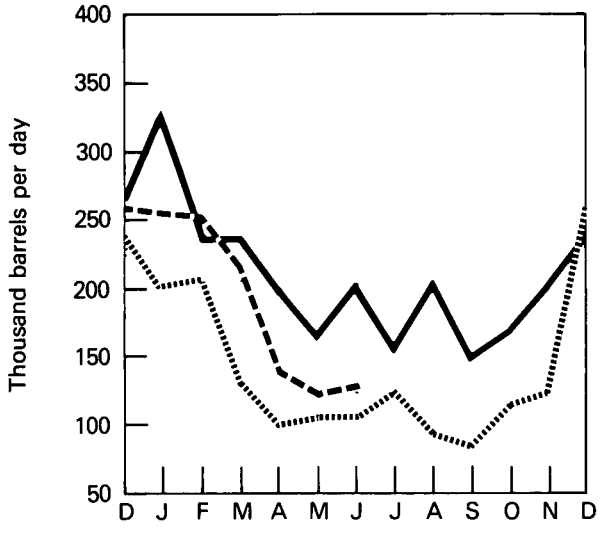
Product Supplied



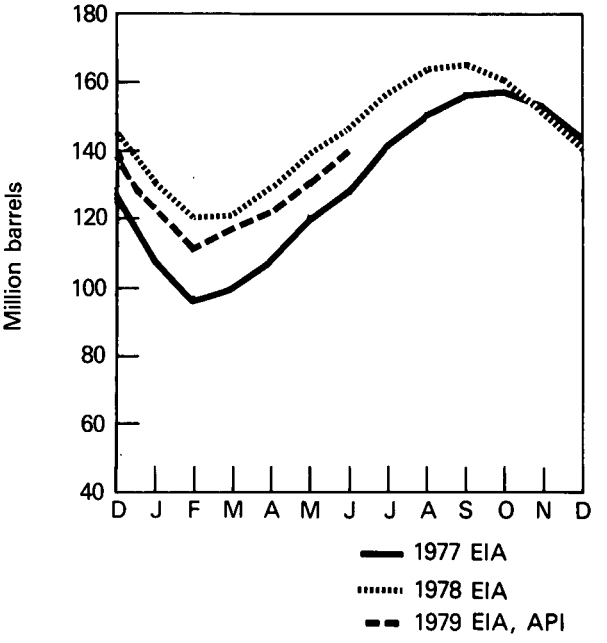
Production at Processing Plants



Imports



Stocks



Petroleum

Petroleum Primary Supply Balance

	1978 Actual				
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Year
	Thousand barrels per day				
Primary Supply					
Crude oil and lease condensate production	8,514	8,777	8,774	8,737	8,701
Natural gas plant liquids production	1,570	1,577	1,554	1,570	1,567
Other hydrocarbon supply	56	48	56	54	53
Crude oil imports[1]	5,845	5,668	6,287	6,475	6,071
Refined products imports[2]	2,238	1,828	1,927	1,994	1,997
Total new primary supply	18,223	17,898	18,598	18,830	18,389
Processing gain	489	463	466	550	492
Stock change—all oils[3]	-1,712	+63	+662	-54	-254
Total net primary supply	20,424	18,298	18,402	19,434	19,135
Unaccounted for crude oil[4]	-126	+107	+63	+195	+64
Disposition					
Crude oil and refined products exports	246	349	389	445	361
Crude oil losses	15	16	16	16	16
Total products supplied[5]	20,037	18,040	18,060	19,168	18,822
Total disposition	20,298	18,405	18,465	19,629	19,199

	1979 Actual
	1st Qtr.
Primary Supply	
Crude oil and lease condensate production	8,335
Natural gas plant liquids production	1,554
Other hydrocarbon supply	54
Crude oil imports[1]	6,220
Refined products imports[2]	2,135
Total new primary supply	18,298
Processing gain	518
Stock change—all oils[3]	-1,380
Total net primary supply	20,196
Unaccounted for crude oil[4]	-168
Disposition	
Crude oil and refined products exports	NA
Crude oil losses	16
Total products supplied[5]	20,012
Total disposition	20,028

[1]Excludes crude oil imported for the Strategic Petroleum Reserve.
[2]Includes plant condensate and unfinished oils.
[3]Excludes petroleum stored in the Strategic Petroleum Reserve.
[4]Balancing item resulting from statistical inconsistencies.
[5]Includes international bunkers.
NA=Not available.
Sources: • 1st, 2nd, 3rd and 4th Quarters 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly."
• 1st Quarter 1979: EIA, "Monthly Petroleum Statistics Report."

Natural Gas

Consumption of natural gas in June 1979 was an estimated 1,280 billion cubic feet (Bcf), 4.7 percent greater than in June 1978. Estimated consumption during the first 6 months of 1979 totaled 10,601 Bcf, 1.2 percent greater than during the first half of 1978.

Production of dry natural gas in June 1979 was an estimated 1,530 Bcf, approximately the same as in the previous June. Output during the first half of 1979 totaled an estimated 9,523 Bcf, slightly less than the comparable 1978 period.

Imports of natural gas in June 1979 were an estimated 97 Bcf, 44.8 percent greater than in the previous June. During the first 6 months of 1979 imports of natural gas totaled an estimated 616 Bcf, 30.8 percent higher than the comparable 1978 period. These increases were largely accounted for by first-half of 1979 receipts of Algerian liquefied natural gas (LNG) equivalent to approximately 112 Bcf at the large-scale LNG receiving terminals at Cove Point, Maryland, and Elba Island, Georgia. Of the 45 tanker loads of LNG landed at these terminals during the first 6 months of 1979, Cove Point received 30 tanker loads and Elba Island 15 tanker loads.

Stocks of working gas* in underground natural gas storage reservoirs at the end of June 1979 totaled 1,944 Bcf, 5.9 percent higher than stocks available a year earlier. Net injections into storage during June 1979 were 324 Bcf, 6.6 percent less than in June 1978.

Domestic producer sales to major interstate pipeline companies in April 1979 totaled 871 Bcf, 4.2 percent above sales for the previous April. Sales totaling 3,487 Bcf during the first 4 months of 1979 were 5.2 percent above sales for the same period in 1978.

*Gas available for withdrawal.

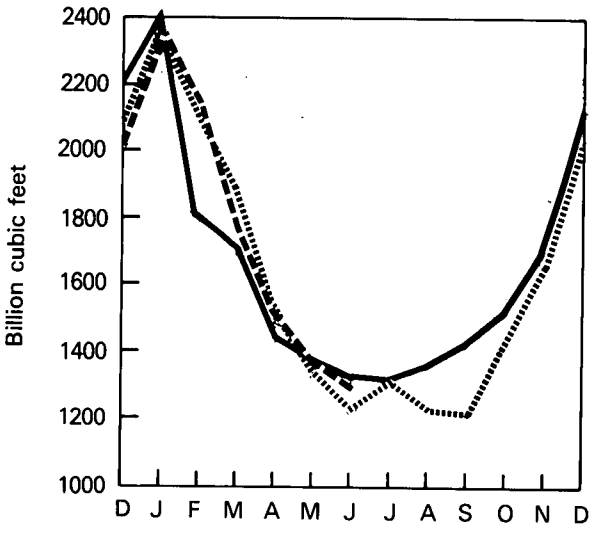
Natural Gas

		Domestic Consumption[1]	Production[1]		Domestic Producer Sales to Major Interstate Pipelines	Imports	Exports
			Marketed	Dry			
		Billion cubic feet					
1973	**TOTAL**	**22,049**	**22,648**	**21,731**	**12,067**	**1,033**	**77**
1974	**TOTAL**	**21,223**	**21,601**	**20,714**	**11,462**	**959**	**77**
1975	**TOTAL**	**19,538**	**20,109**	**19,237**	**10,652**	**953**	**73**
1976	**TOTAL**	**19,946**	**19,952**	**19,098**	**10,140**	**964**	**65**
1977	January	2,407	1,740	1,665	848	87	5
	February	1,816	1,674	1,602	807	92	4
	March	1,715	1,751	1,675	910	101	4
	April	1,439	1,644	1,573	830	84	3
	May	1,379	1,692	1,619	830	86	3
	June	1,333	1,648	1,577	789	76	5
	July	1,325	1,674	1,602	801	73	7
	August	1,364	1,645	1,574	784	76	5
	September	1,427	1,598	1,529	741	75	5
	October	1,518	1,628	1,558	831	85	5
	November	1,690	1,606	1,537	830	86	5
	December	2,108	1,725	1,652	882	90	5
	TOTAL	**19,521**	**20,025**	**19,163**	**9,883**	**1,011**	**56**
1978	January	2,385	1,739	1,672	862	87	5
	February	2,116	1,618	1,555	756	77	4
	March	1,889	1,714	1,644	861	86	4
	April	1,513	1,636	1,571	836	78	3
	May	1,353	1,629	1,564	819	76	4
	June	1,222	1,597	1,529	768	67	5
	July	1,308	1,668	1,599	821	70	6
	August	1,254	1,626	1,557	821	74	5
	September	1,222	1,544	1,477	800	75	5
	October	1,429	1,605	1,537	847	82	4
	November	1,643	1,580	1,511	838	89	5
	December	2,056	1,680	1,611	882	104	5
	TOTAL	**19,390**	**19,636**	**18,827**	**9,911**	**965**	**55**
1979	January	2,377	1,714	1,646	890	100	5
	February	2,169	1,621	1,551	819	94	4
	March	R1,885	R1,746	R1,676	907	116	3
	April	1,520	1,610	1,540	871	R109	3
	May	1,370	1,650	1,580	NA	100	4
	June	1,280	*1,600*	*1,530*	NA	*97*	5
	TOTAL (Year to date)	**10,601**	**9,941**	**9,523**	**3,487**	**616**	**24**

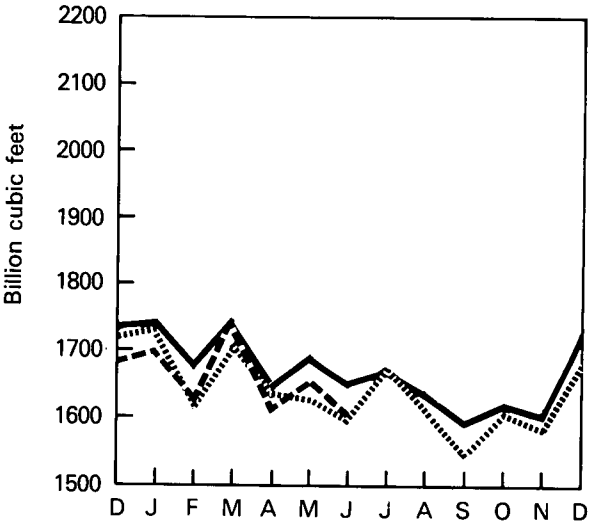
[1]Monthly data for domestic consumption in years 1977 and 1978 are estimated based on a supply/disposition balance calculation. Estimated data in italics. These are likely to be revised next month.
R=Revised data.
NA=Not available.
Sources: • Domestic Consumption–Energy Information Administration (EIA) estimates; Marketed Production, Imports, and Exports–Bureau of Mines *Mineral Industry Surveys*, "Natural Gas, Monthly" through June 1977.
• July 1977 forward, EIA *Energy Data Reports*, Natural Gas, Monthly; Domestic Producer Sales—Federal Power Commission Form 11, "Monthly Statement of Gas Operating Revenues, Sales."

Natural Gas

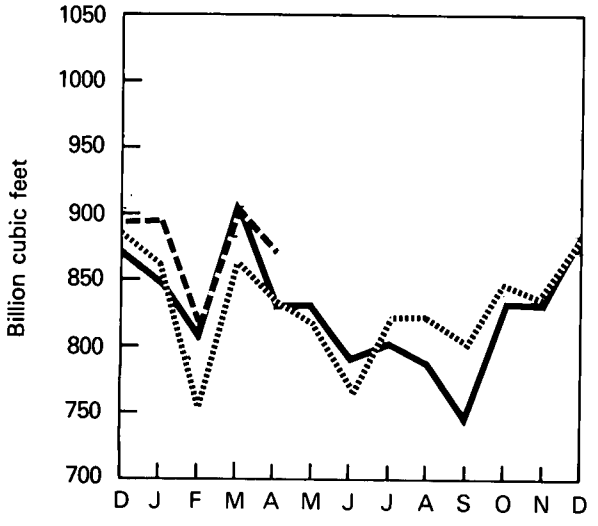
Domestic Consumption



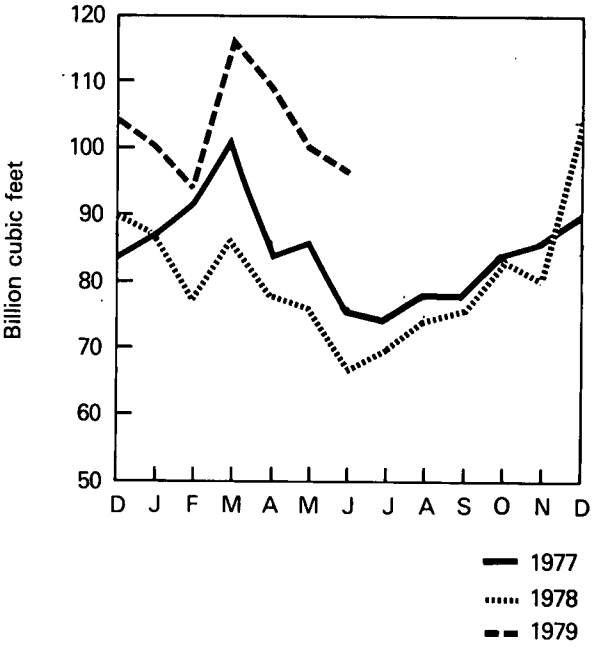
Marketed Production



Domestic Producer Sales to Major Interstate Pipelines



Imports

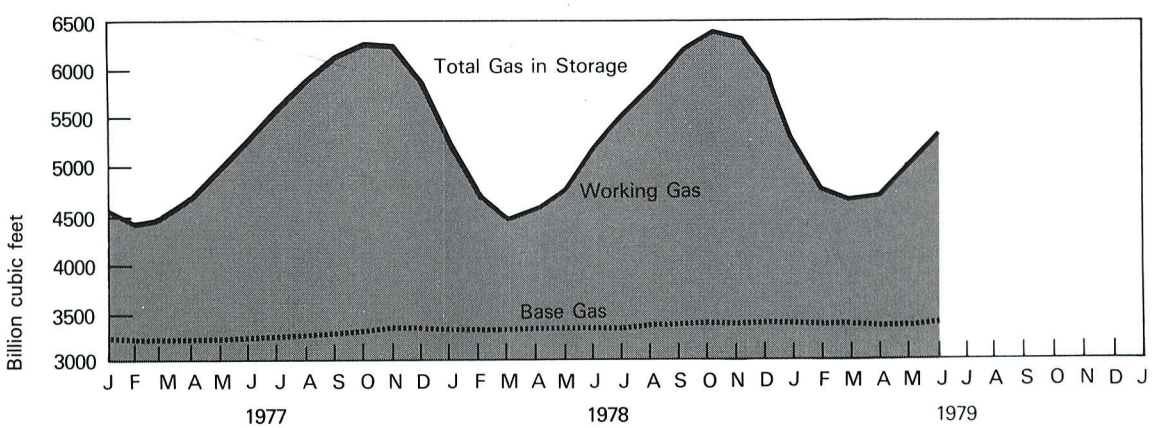


Natural Gas

Natural Gas in Underground Storage[1]

		Total Gas in Storage	Base Gas	Working Gas	Storage Injections	Storage Withdrawals	Net Storage Injections[2]
				Billion cubic feet			
1975		**‡5,358**	**‡3,150**	**‡2,208**	**NA**	**NA**	**NA**
1976		**‡5,231**	**‡3,310**	**‡1,921**	**1,952**	**2,074**	**(122)**
1977	January	4,580	3,293	1,287	18	670	(652)
	February	4,446	3,283	1,163	101	235	(134)
	March	4,501	3,286	1,215	187	132	55
	April	4,713	3,286	1,427	256	43	213
	May	5,024	3,293	1,731	329	17	312
	June	5,330	3,300	2,030	317	12	305
	July	5,665	3,317	2,348	348	15	333
	August	5,945	3,346	2,599	290	21	269
	September	6,188	3,364	2,824	262	2	260
	October	6,302	3,373	2,929	157	44	113
	November	6,224	3,403	2,821	84	160	(76)
	December	5,844	3,377	2,467	41	416	(375)
1978	January	5,193	3,374	1,819	21	668	(647)
	February	4,683	3,373	1,310	21	530	(509)
	March	4,497	3,374	1,123	92	278	(186)
	April	4,608	3,377	1,231	179	68	111
	May	4,870	3,379	1,491	291	30	261
	June	5,217	3,381	1,836	365	18	347
	July	5,550	3,386	2,164	349	16	333
	August	5,904	3,403	2,501	359	12	347
	September	6,224	3,411	2,813	329	9	320
	October	6,402	3,444	2,958	209	28	181
	November	6,352	3,425	2,927	82	135	(53)
	December	5,999	3,459	2,540	33	384	(351)
1979	January	5,348	3,458	1,890	21	673	(652)
	February	4,806	3,457	1,349	23	566	(543)
	March	4,695	3,459	1,236	94	205	(111)
	April	4,762	3,427	1,335	182	73	109
	May	5,057	3,438	1,619	308	13	295
	June†	5,393	3,449	1,944	333	9	324

Gas in Storage



[1]See Explanatory Note 9.
[2]Net Storage Injections=storage injection minus storage withdrawal. Parentheses indicate withdrawal greater than injection.
†Preliminary data.
‡Total as of December 31.
NA=Not available.
Sources: • Federal Energy Administration Form G318-M-O and Federal Power Commission Form 8, "Underground Gas Storage Report."

Part 5 Resource Development

Oil and Gas Exploration and Development

The rotary rig count increased to 1,999 in June 1979, up from the 1,960 count of the month before. This represents a 12.6 percent decrease from the June 1978 count of 2,286 rotary rigs.

Wells completed in June 1979 totaled 4,118. This is a 5.8 percent decrease from the number drilled during June 1978.

Oil well completions in June 1979 were down 7.2 percent (at 1,681) from June 1978 (1,812 completions). The number of gas wells completed increased. In June 1979, 1,194 wells were completed, an 11.5 percent increase above the previous year. Dry holes were down 16.5 percent (1,243 as compared to 1,489 of the previous June). Total footage drilled fell 8.1 percent (19,413 as compared to 21,115 the year before).

Resource Development

Oil and Gas Exploration and Development

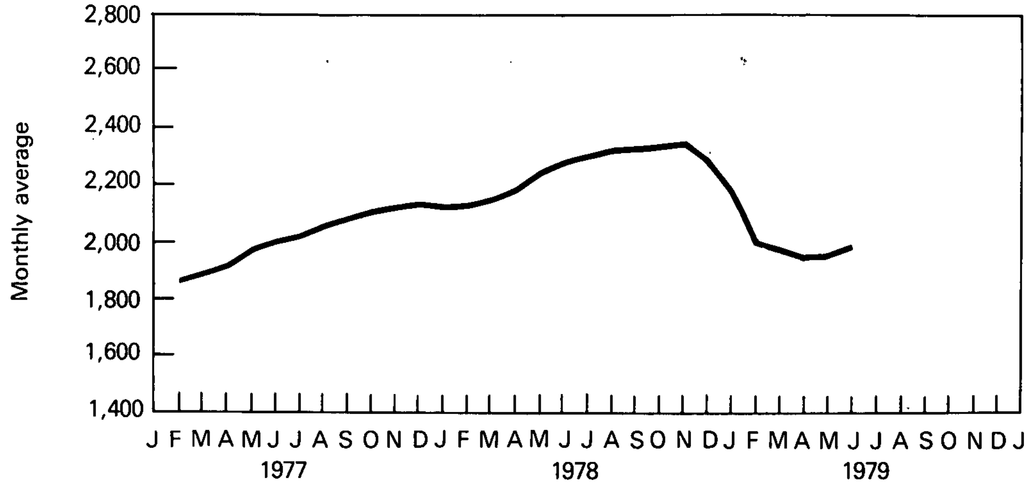
		Rotary Rigs in Operation		Exploratory and Development Wells Drilled[1]				Total Footage of Wells Drilled[1]
		Monthly Average		Oil	Gas	Dry	Total	Thousand feet
1973	**AVERAGE**	**1,194**	**TOTAL**	**9,902**	**6,385**	**10,305**	**26,592**	**136,391**
1974	**AVERAGE**	**1,475**	**TOTAL**	**12,784**	**7,240**	**11,674**	**31,698**	**150,551**
1975	**AVERAGE**	**1,660**	**TOTAL**	**16,408**	**7,580**	**13,247**	**37,235**	**174,434**
1976	**AVERAGE**	**1,656**	**TOTAL**	**17,059**	**9,085**	**13,621**	**39,765**	**181,780**
1977	January	1,850		1,391	732	1,096	3,219	14,517
	February	1,856		1,321	705	999	3,025	14,443
	March	1,887		1,817	958	1,297	4,072	19,400
	April	1,907		1,405	818	1,059	3,282	15,523
	May	1,982		1,382	877	1,150	3,409	16,702
	June	2,008		1,720	952	1,270	3,942	18,767
	July	2,023		1,304	724	1,022	3,050	14,529
	August	2,066		1,400	961	1,179	3,540	16,838
	September	2,084		1,924	1,105	1,288	4,317	19,333
	October	2,101		1,562	1,024	1,254	3,840	18,000
	November	2,113		1,785	1,091	1,447	4,323	19,537
	December	2,141		1,875	1,387	1,569	4,831	21,365
	AVERAGE	**2,001**	**TOTAL**	**18,912**	**11,378**	**14,692**	**44,982**	**210,848**
1978	January	2,128		1,184	783	1,233	3,200	15,394
	February	2,135		1,486	851	1,239	3,576	16,933
	March	2,158		1,499	1,247	1,420	4,166	20,392
	April	2,198		1,369	971	1,112	3,452	17,559
	May	2,249		1,209	1,004	1,166	3,379	17,189
	June	2,286		1,812	1,071	1,489	4,372	21,115
	July	2,307		1,503	985	1,191	3,679	17,258
	August	2,325		1,516	1,085	1,290	3,891	18,440
	September	2,332		1,619	1,227	1,511	4,357	21,234
	October	2,346		1,395	1,102	1,441	3,938	19,109
	November	2,356		1,294	1,027	1,308	3,629	17,805
	December	2,286		1,861	1,588	1,828	5,277	24,108
	AVERAGE	**2,259**	**TOTAL**	**17,775**	**13,064**	**16,218**	**47,057**	**227,110**
1979	January	2,199		1,372	996	1,278	3,646	17,963
	February	2,064		1,463	1,139	1,076	3,678	18,017
	March	1,970		1,544	1,343	1,372	4,259	21,175
	April	1,943		1,138	1,083	930	3,151	16,069
	May	1,960		1,307	992	1,130	3,429	16,974
	June	1,999		1,681	1,194	1,243	4,118	19,413
	AVERAGE	**2,023**	**TOTAL**	**8,485**	**6,769**	**7,011**	**22,265**	**109,567**

[1]Excludes service wells and stratigraphic and core tests.
Note: Totals reflect subsequent data revisions and therefore may not agree with cumulative monthly data.
Sources: • Rotary Rigs: Hughes Tool Company "Rotary Rigs Running–By State."
• Wells: Data compiled by the American Petroleum Institute, "Monthly Drilling Report" and "Quarterly Review of Drilling Statistics for the United States."

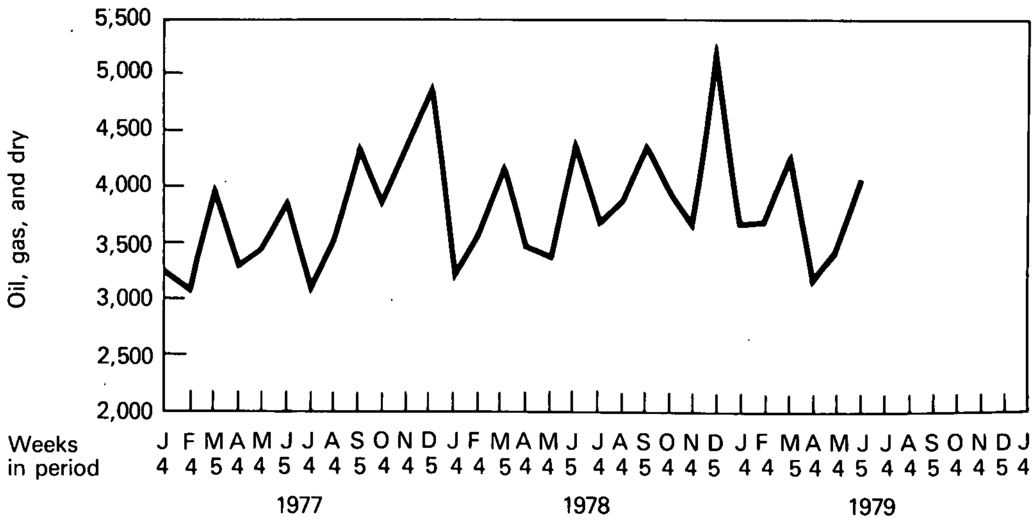
Resource Development

Oil and Gas Exploration and Development

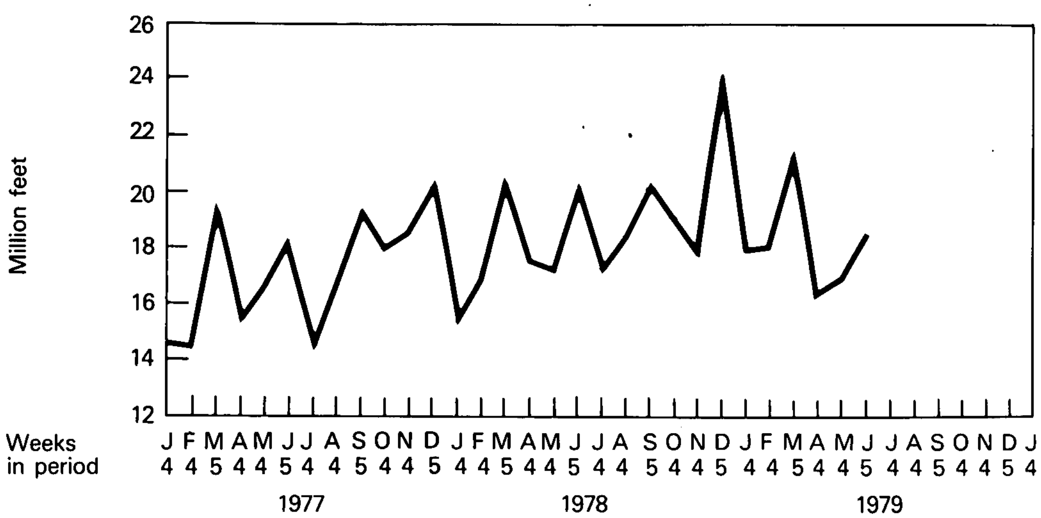
Rotary Rigs in Operation



Total Wells Drilled



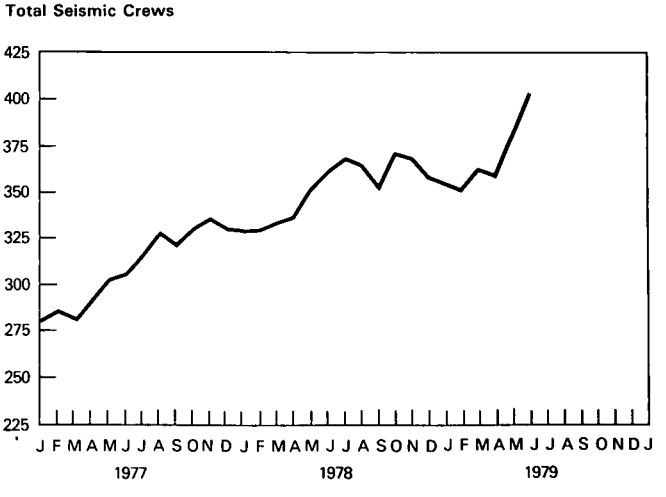
Total Footage of Wells Drilled



Resource Development

Oil and Gas Exploration and Development

		Crews Engaged in Seismic Exploration			Line Miles of Seismic Exploration		
		Offshore	Onshore	Total	Offshore[1]	Onshore[1]	Total[1]
		Monthly average			Annual average		
1973	**AVERAGE**	**23**	**227**	**250**	**21,579**	**10,597**	**32,175**
1974	**AVERAGE**	**31**	**274**	**305**	**28,482**	**13,219**	**41,701**
1975	**AVERAGE**	**30**	**254**	**284**	**25,773**	**12,558**	**38,331**
1976	**AVERAGE**	**25**	**237**	**262**	**18,859**	**11,910**	**30,769**
1977	January	26	254	280			
	February	27	259	286			
	March	22	260	282			
	April	26	266	292			
	May	29	272	301			
	June	31	274	305			
	July	30	285	315			
	August	31	295	326			
	September	29	291	320			
	October	28	302	330			
	November	26	309	335			
	December	26	303	329			
	AVERAGE	**27**	**281**	**308**	**10,390**	**10,006**	**20,396**
1978	January	26	302	328			
	February	23	305	328			
	March	20	314	334			
	April	21	315	336			
	May	21	330	351			
	June	26	336	362			
	July	26	341	367			
	August	27	338	365			
	September	21	333	354			
	October	29	342	371			
	November	27	342	369			
	December	30	328	358			
	AVERAGE	**25**	**327**	**352**			
1979	January	28	327	355			
	February	29	321	350			
	March	32	332	364			
	April	30	330	360			
	May	28	355	383			
	June	32	372	404			
	AVERAGE	**30**	**340**	**369**			



[1]Data not yet available for 1978 and 1979.
NA=Not available.
Source: • Society of Exploration Geophysicists, "Monthly Seismic Crew Count" and annual reports published in their bulletin, *Geophysics.*

Coal

Coal production in June 1979 was 66.3 million tons, 0.1 percent higher than in June 1978, and 6.9 percent lower than production in May 1979. Production in the first 6 months of 1979 totaled 378.2 million tons, an increase of 34.0 percent over the amount produced in the first 6 months of 1978.

Domestic consumption of coal in May 1979 totaled 53.1 million tons, an increase of 7.9 percent over consumption in May 1978, and 4.6 percent higher than consumption in April 1979. In the first 5 months of 1979, coal consumption totaled 272.1 million tons, an increase of 31.6 million tons, or 13.1 percent over consumption during the same period a year ago. Coal consumed to produce electricity* totaled 41.5 million tons in May 1979, 11.6 percent more than in May 1978. During the first 5 months of 1979, electric utilities consumed 211.0 million tons of coal, an increase of 14.5 percent over the 184.4 million tons consumed during the same period of 1978. Coke plants, the second largest coal consuming sector, used 32.1 million tons in the first 5 months of 1979, an increase of 25.5 percent over consumption in 1978. Coal consumed by general industry totaled 24.9 million tons, 4.3 percent below the amount consumed a year earlier. The 4.1 million tons of coal delivered to retail dealers through the first 5 months of 1979 was 11.2 percent lower than in the first 5 months of 1978.

Total stocks of bituminous coal and lignite held by consumers increased 4.9 million tons during the first 5 months of 1979. Electric utility stocks* increased from 126.0 million tons at the end of December 1978 to 131.4 million tons at the end of May 1979. Bituminous coal stocks held by coke plants increased from 8.2 million tons to 8.9 million tons, and general industry stockpiles of bituminous coal and lignite declined from 7.1 million tons to 6.0 million tons in the first 5 months of 1979. Stocks of coal in retail dealer yards declined from 0.4 million tons at the end of 1978 to 0.2 million tons at the end of May 1979.

Total imports of coal in the first 5 months of 1979 totaled 0.9 million tons, 0.4 million tons below the amount imported during the first 5 months of 1978. Australia, Poland, and South Africa provided 94 percent of total U.S. coal imports. Exports of coal through the first 5 months of this year totaled 22.5 million tons, more than two-and-one-half times the amount of coal exported during the corresponding period of 1978. Japan was the largest customer for U.S. coal in the first 5 months of 1979, followed by Italy and Canada, which together received nearly two-thirds of the total U.S. coal exports.

*Includes bituminous, lignite, and anthracite consumption, and excludes petroleum coke consumption. Stocks include bituminous coal and lignite only.

Coal

Bituminous, Lignite, and Anthracite

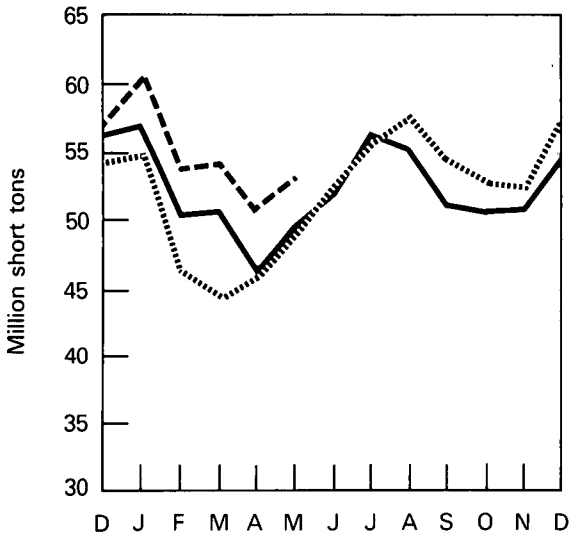
		Production	Domestic Consumption	Imports	Exports
			Thousand short tons		
1973	**Total**	**598,568**	**562,583**	**127**	**53,587**
1974	**Total**	**610,023**	**558,402**	**2,080**	**60,661**
1975	**Total**	**654,641**	**562,643**	**940**	**66,309**
1976	**Total**	**684,913**	**603,790**	**1,203**	**60,021**
1977	January	45,062	56,871	123	2,180
	February	49,671	50,377	75	3,121
	March	67,343	50,713	31	3,449
	April	61,021	46,767	170	5,655
	May	63,019	49,557	94	5,757
	June	63,638	52,209	92	6,045
	July	49,962	56,461	112	5,222
	August	58,323	55,315	100	4,334
	September	70,030	51,022	175	5,131
	October	68,180	50,654	274	4,931
	November	69,546	51,194	170	4,566
	December	31,410	54,168	231	3,921
	TOTAL	**697,205**	**625,308**	**1,647**	**54,312**
1978	January	23,545	54,758	139	894
	February	23,860	46,422	159	588
	March	39,290	44,231	231	377
	April	60,050	45,953	417	2,613
	May	69,300	49,184	323	4,473
	June	66,225	52,487	291	5,429
	July	54,195	55,876	313	3,574
	August	64,945	57,705	227	3,634
	September	58,355	54,405	196	3,454
	October	70,480	52,771	371	5,053
	November	69,820	52,665	98	6,030
	December	60,180	57,067	188	4,572
	TOTAL	**660,245**	**623,524**	**2,953**	**40,691**
1979	January	R56,941	60,281	186	3,605
	February	R53,988	53,767	252	2,726
	March	R65,952	54,232	123	4,642
	April	63,800	R50,733	161	5,268
	May	R71,250	53,086	140	6,215
	June	66,300	NA	NA	NA
	TOTAL (Year to date)	**378,231**	**272,099**	**862**	**22,456**

R=Revised data.
NA=Not available.
Sources: • Exports and Imports—U.S. Department of Commerce, Bureau of the Census.
• Remaining data—through September 1977, Bureau of Mines *Mineral Industry Surveys*, "Weekly Coat Report".
• October 1977 forward—Energy Information Administration *Energy Data Reports*, "Weekly Coal Report".

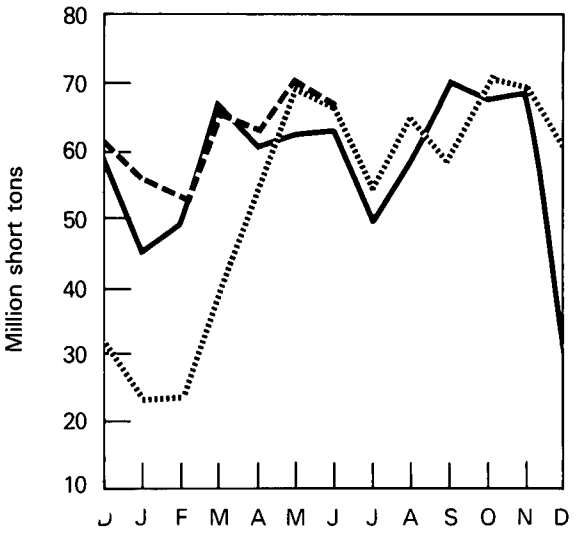
Coal

Bituminous, Lignite, and Anthracite

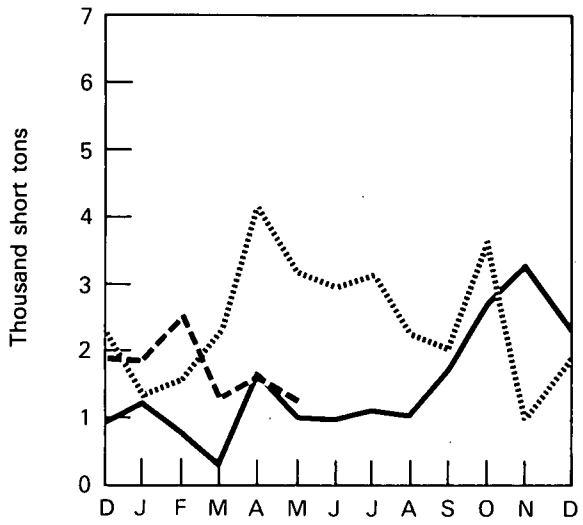
Domestic Consumption



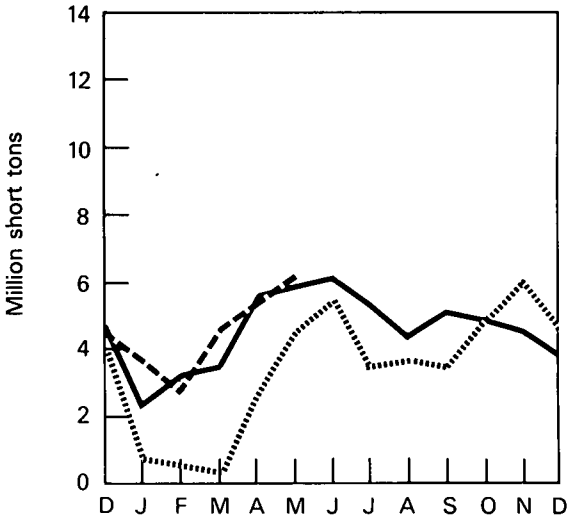
Production

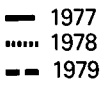


Imports



Exports





Coal

Consumption—Anthracite, Bituminous, Lignite

			Industry and Miscellaneous			
		Electric Utilities	Coke Plants	Other Industry and Miscellaneous	Retail Dealers	Total
				(Thousand short tons)		
1973	**TOTAL**	**389,212**	**94,101**	**68,153**	**11,117**	**562,583**
1974	**TOTAL**	**391,811**	**90,191**	**64,983**	**11,417**	**558,402**
1975	**TOTAL**	**405,962**	**83,598**	**63,673**	**9,410**	**562,643**
1976	**TOTAL**	**448,371**	**84,704**	**61,799**	**8,916**	**603,790**
1977	January	43,250	6,388	5,993	1,240	56,871
	February	37,660	6,245	5,634	838	50,377
	March	37,238	7,043	5,680	752	50,713
	April	34,039	6,796	5,159	773	46,767
	May	37,151	6,997	4,804	605	49,557
	June	40,139	6,807	4,627	636	52,209
	July	44,962	6,675	4,359	465	56,461
	August	44,158	6,151	4,410	596	55,315
	September	40,155	5,859	4,458	550	51,022
	October	38,367	6,313	5,268	706	50,654
	November	38,709	6,030	5,508	947	51,194
	December	41,298	6,065	5,716	1,089	54,168
	TOTAL	**477,126**	**77,369**	**61,616**	**9,197**	**625,308**
1978	January	42,708	5,425	5,531	1,094	54,758
	February	35,832	4,182	5,270	1,138	46,422
	March	34,004	4,014	5,303	910	44,231
	April	34,617	5,529	5,032	775	45,953
	May	37,199	6,424	4,866	695	49,184
	June	40,794	6,399	4,619	675	52,487
	July	44,118	6,553	4,605	600	55,876
	August	46,062	6,460	4,561	622	57,705
	September	42,646	6,417	4,642	700	54,405
	October	39,853	6,706	5,211	1,001	52,771
	November	39,751	6,524	5,339	1,051	52,665
	December	43,669	6,760	5,513	1,125	57,067
	TOTAL	**481,254**	**71,393**	**60,492**	**10,386**	**623,524**
1979	January	46,902	6,492	5,519	1,368	60,281
	February	41,891	5,850	5,176	850	53,767
	March	41,779	6,723	5,050	680	54,232
	April	38,905	6,461	4,754	613	R50,733
	May	41,525	6,582	4,394	585	53,086
	TOTAL (Year to date)	**211,002**	**32,108**	**24,893**	**4,096**	**272,099**

R=Revised data.
Note: Sum of components may not equal totals due to independent rounding.
Sources: • 1973 through September 1977, Bureau of Mines Mineral Industry Surveys, "Weekly Coal Report."
• October 1977 forward—Energy Information Administration, Energy Data Reports, "Weekly Coal Report."

Coal

Stocks[1]—Bituminous and Lignite

			Industry and Miscellaneous			
		Electric Utilities	Coke Plants	General Industry and Miscellaneous	Retail Dealers	Total
				(Thousand short tons)		
1973		**85,902**	**6,875**	**10,345**	**290**	**103,412**
1974		**82,579**	**6,037**	**6,580**	**280**	**95,477**
1975		**109,742**	**8,671**	**8,504**	**233**	**127,150**
1976		**116,436**	**9,804**	**7,075**	**240**	**133,555**
1977	January	103,919	8,107	5,960	130	118,116
	February	101,085	7,463	5,719	140	114,408
	March	107,382	9,025	6,030	155	122,592
	April	113,678	9,898	6,161	140	129,877
	May	120,573	10,625	6,375	160	137,733
	June	126,505	12,035	6,660	175	145,375
	July	121,182	9,816	6,395	200	137,593
	August	121,488	9,043	6,350	190	137,071
	September	128,023	10,410	6,580	240	145,253
	October	137,323	12,599	8,125	275	158,322
	November	147,331	15,500	10,060	360	173,251
	December	130,898	12,721	8,425	220	152,264
1978	January	102,965	8,130	7,017	182	R118,294
	February	82,441	5,067	5,507	119	R93,134
	March	74,925	3,750	4,997	114	R83,786
	April	85,899	5,602	4,953	135	R96,589
	May	98,481	7,129	5,110	175	R110,895
	June	108,534	8,237	5,543	310	R122,624
	July	107,455	6,604	5,454	290	R119,803
	August	110,055	6,276	5,970	355	R122,656
	September	112,935	6,202	6,205	362	R125,704
	October	119,374	7,272	6,576	357	R133,579
	November	127,176	8,520	6,625	380	R142,701
	December	126,044	8,162	7,050	360	R141,616
1979	January	117,794	7,437	6,620	365	132,215
	February	112,258	6,553	6,191	318	125,320
	March	116,364	7,352	6,022	275	130,013
	April	122,811	8,317	6,265	275	R137,668
	May	131,446	8,854	5,975	225	146,500

R=Revised data.
[1]Stocks held by utilities, general industry, and retail dealers at end of year or month.
Sources: • 1973 through September 1977, Bureau of Mines Mineral Industry Surveys, "Weekly Coal Report."
• October 1977 forward—Energy Information Administration, Energy Data Reports, "Weekly Coal Report."

Coal

Bituminous and Lignite

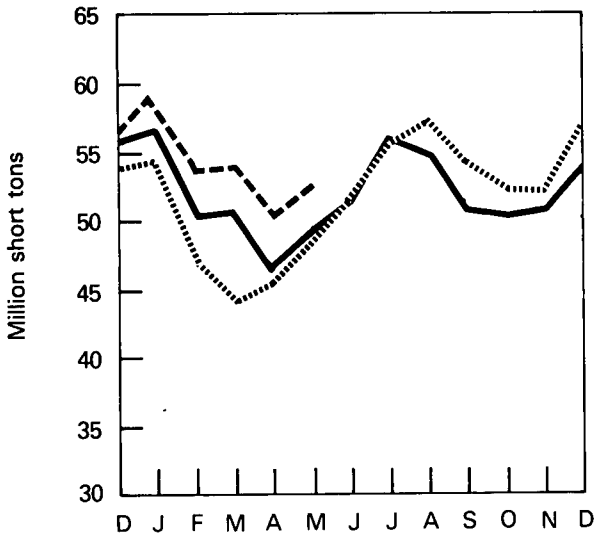
		Production[1]	Domestic Consumption[1]	Imports	Exports[2]	Stocks[3]
			Thousand short tons			
1973	**TOTAL**	**591,738**	**556,912**	**127**	**52,870**	**103,412**
1974	**TOTAL**	**603,406**	**552,954**	**2,080**	**59,926**	**95,477**
1975	**TOTAL**	**648,438**	**557,535**	**940**	**65,669**	**127,150**
1976	**TOTAL**	**678,685**	**598,750**	**1,203**	**59,406**	**133,555**
1977	January	44,679	56,561	123	2,143	118,116
	February	49,260	50,044	75	3,079	114,408
	March	66,776	50,241	31	3,390	122,592
	April	60,549	46,349	170	5,637	129,877
	May	62,499	49,157	94	5,673	137,733
	June	63,095	51,728	92	6,019	145,375
	July	49,584	56,183	112	5,158	137,593
	August	57,751	54,834	100	4,279	137,071
	September	69,510	50,632	175	5,037	145,253
	October	67,660	50,230	274	4,871	158,322
	November	68,979	50,738	170	4,491	173,251
	December	31,002	53,808	231	3,910	152,264
	TOTAL	**691,344**	**620,505**	**1,647**	**53,687**	
1978	January	23,115	54,418	139	870	R118,294
	February	23,520	46,022	159	555	R93,134
	March	38,765	43,791	231	325	R83,786
	April	59,530	45,493	417	2,594	R96,589
	May	68,760	48,754	323	4,411	R110,895
	June	65,565	51,937	291	5,398	R122,624
	July	53,640	55,426	313	3,531	R119,803
	August	64,395	57,225	227	3,568	R122,656
	September	57,775	53,925	196	3,338	R125,704
	October	69,860	52,271	371	4,911	R133,579
	November	69,245	52,190	98	5,930	R142,701
	December	59,630	56,637	188	4,394	R141,616
	TOTAL	**653,800**	**618,089**	**2,953**	**39,825**	
1979	January	R56,486	59,881	186	3,526	132,215
	February	R53,628	53,377	252	2,691	125,320
	March	R65,492	53,837	123	4,592	130,013
	April	63,325	R50,333	161	5,227	R137,668
	May	70,720	52,626	140	6,091	146,500
	June	65,835	NA	NA	NA	NA
	TOTAL (Year to date)	**375,486**	**270,054**	**862**	**22,127**	

[1]See Explanatory Note 10.
[2]Bituminous coal only.
[3]Total stocks held by utilities, industrial consumers, and retail dealers at end of year or month.
R=Revised data.
NA=Not available.
Sources: • Exports and Imports—U.S. Department of Commerce, Bureau of the Census.
• Remaining data—through September 1977, Bureau of Mines *Mineral Industry Surveys*, "Weekly Coal Report".
• October 1977 forward, Energy Information Administration *Energy Data Reports*, "Weekly Coal Report".

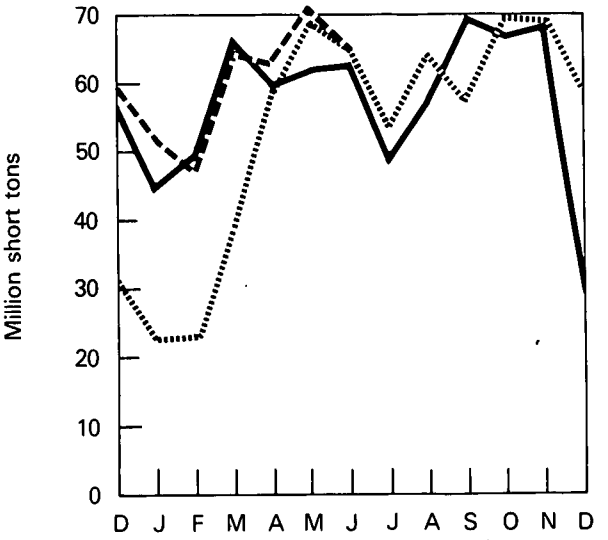
Coal

Bituminous and Lignite

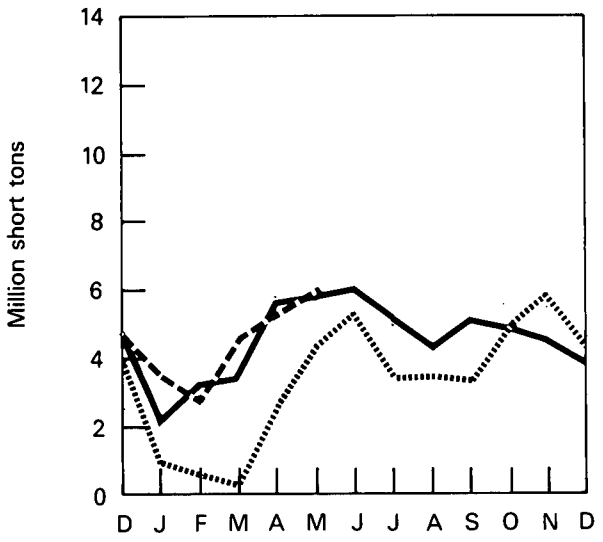
Domestic Consumption



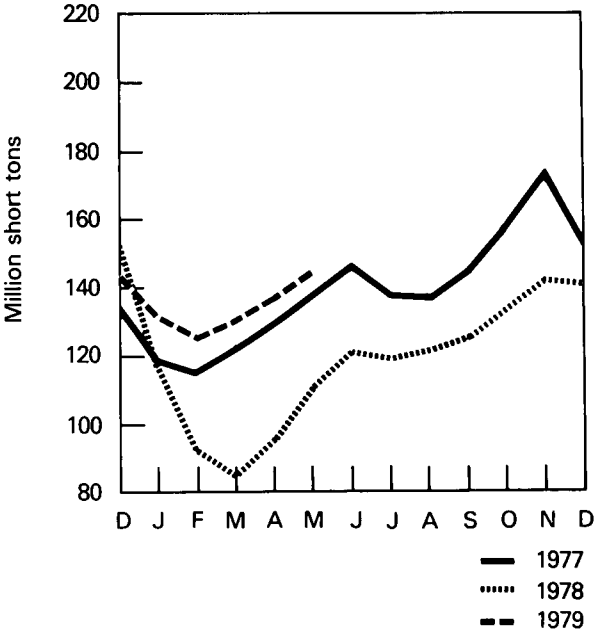
Production



Exports



Stocks

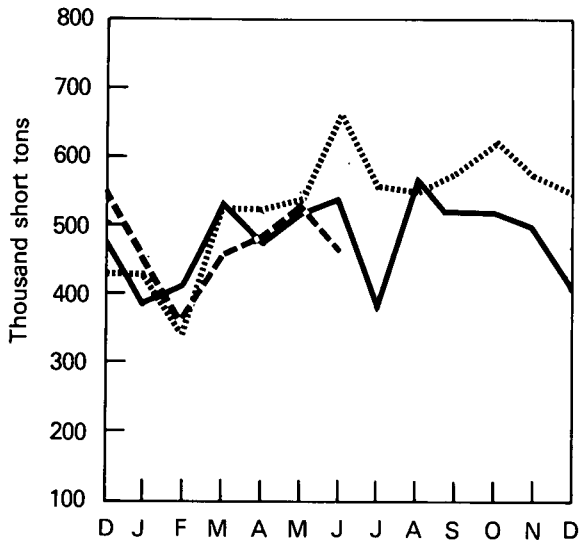


Coal

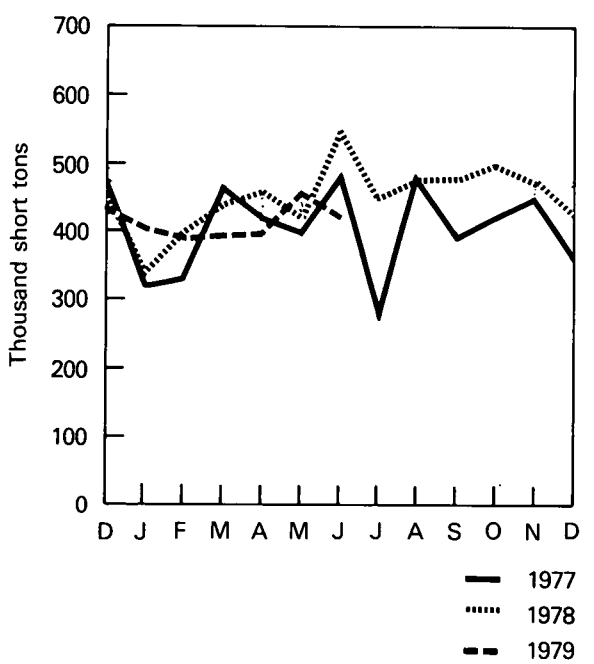
Anthracite

		Production	Domestic Consumption[1]	Exports[2]
		Thousand short tons		
1973	**Total**	**6,830**	**5,671**	**717**
1974	**Total**	**6,617**	**5,448**	**735**
1975	**Total**	**6,203**	**5,108**	**640**
1976	**Total**	**6,228**	**5,040**	**615**
1977	January	383	310	37
	February	411	333	42
	March	567	472	59
	April	472	418	18
	May	520	400	84
	June	543	481	26
	July	378	278	64
	August	572	481	55
	September	520	390	94
	October	520	424	60
	November	567	456	75
	December	408	360	11
	TOTAL	**5,861**	**4,803**	**625**
1978	January	430	340	24
	February	340	400	33
	March	525	440	52
	April	520	460	19
	May	540	430	62
	June	660	550	31
	July	555	450	43
	August	550	480	66
	September	580	480	116
	October	620	500	142
	November	575	475	100
	December	550	430	178
	TOTAL	**6,445**	**5,435**	**866**
1979	January	455	400	79
	February	360	390	35
	March	460	395	50
	April	475	400	41
	May	R530	460	124
	June	465	430	NA
	TOTAL (Year to date)	**2,745**	**2,475**	**329**

Production



Apparent Domestic Consumption



[1]Apparent consumption, i.e., production minus exports, minus shipments to U.S. Armed Forces in Europe (monthly shipments to Armed Forces are estimated).
[2]There are no imports of anthracite coal.
R=Revised data.
NA=Not available.
Sources: • Exports and Imports—U.S. Department of Commerce, Bureau of the Census.
• Remaining data—through September 1977, Bureau of Mines *Mineral Industry Surveys*, "Weekly Coal Report".
• October 1977 forward—Energy Information Administration *Energy Data Reports*, "Weekly Coal Report".

Electric Utilities

May 1979 production of electricity by utilities was 178.2 billion kilowatt-hours, an increase of 1.7 percent over the May 1978 production level. Coal-fired production totaled 86,158 million kilowatt-hours, and gas-fired production totaled 26,113 million kilowatt-hours, an increase of 12.7 and 4.1 percent, respectively, over May 1978 levels. Nuclear production totaled 15,025 million kilowatt-hours, and oil-fired production totaled 21,464 million kilowatt-hours, a decrease of 26.4 and 11.9 percent, respectively, below the May 1978 output levels. Hydroelectric production at 29,043 million kilowatt-hours, increased 1.0 percent above the May 1978 level.

Sales of electricity to all ultimate consumers in the United States in May 1979 totaled 157.7 billion kilowatt-hours, an increase of 5.2 percent over May 1978 sales, and 1.3 percent below last month's sales. Sales to residential consumers during May 1979 were 45.4 billion kilowatt-hours, an increase of 3.7 percent over sales for the corresponding month in 1978. Commercial sales were 36.3 billion kilowatt-hours, 6.7 percent more than the amount for May 1978. Sales to industrial consumers totaled 70.4 billion kilowatt-hours, in May 1979, an increase of 5.7 percent over the May 1978 figure. In May 1979, other sales totaled 5.6 billion kilowatt-hours, an increase of 0.8 percent over May 1978.

Electric utility oil consumption during May 1979 was 37.4 million barrels, a 12.1 percent drop from the May 1978 level. Coal consumption for May 1979 was 41.5 million tons, 11.6 percent above the May 1978 rate. During May 1979, consumption of natural gas by electric utilities was 277.7 billion cubic feet, a 6.5 percent increase over the May 1978 consumption level.

On May 31, 1979, coal stocks reached 131.4 million tons of bituminous coal and lignite and 2.2 million tons of anthracite coal. Stockpiles of bituminous coal and lignite were 7.0 percent above the previous month's level and 33.5 percent above the level of a year earlier. Anthracite stocks were 0.5 percent above the level of a month earlier and 4.0 percent above the level of a year earlier.

Petroleum stocks on May 31, 1979 totaled 122.7, a decline of 9.7 percent below the level for the same month of 1978.

Electric Utilities

Net Electricity Production by Primary Energy Source

		Coal[1]	Petroleum[2]	Gas	Nuclear	Hydro-electric	Other[3]	Total
				Million kilowatt-hours				
1973	**TOTAL**	**847,651**	**314,343**	**340,858**	**83,479**	**272,083**	**2,294**	**1,860,710**
1974	**TOTAL**	**828,433**	**300,931**	**320,065**	**113,976**	**301,032**	**2,703**	**1,867,140**
1975	**TOTAL**	**852,786**	**289,095**	**299,778**	**172,505**	**300,047**	**3,437**	**1,917,649**
1976	**TOTAL**	**944,391**	**319,988**	**294,624**	**191,104**	**283,707**	**3,883**	**2,037,696**
1977	January	89,829	43,379	19,953	22,152	20,700	359	196,372
	February	78,735	29,446	19,481	19,601	15,150	322	162,734
	March	77,492	28,369	22,467	20,672	19,801	356	169,157
	April	70,866	25,862	21,297	19,867	18,642	319	156,853
	May	77,049	27,964	24,701	20,599	18,677	341	169,332
	June	83,117	28,971	29,621	21,517	17,226	335	180,787
	July	92,373	34,893	32,713	21,825	16,799	328	198,930
	August	90,730	32,326	33,291	22,750	16,712	317	196,126
	September	82,565	26,366	30,938	19,630	16,425	342	176,265
	October	79,382	23,074	27,356	19,041	17,189	360	166,402
	November	79,468	24,863	22,566	19,458	20,398	347	167,099
	December	83,612	32,667	21,123	23,771	22,756	337	184,267
	TOTAL	**985,219**	**358,179**	**305,505**	**250,883**	**220,475**	**4,063**	**2,124,323**
1978	January	85,003	39,263	22,310	25,833	25,068	357	197,834
	February	70,567	38,212	20,370	21,833	22,369	309	173,659
	March	66,620	36,982	22,269	22,449	24,630	264	173,214
	April	70,326	24,978	21,339	17,580	25,306	208	159,736
	May	76,430	24,368	25,075	20,416	28,757	187	175,234
	June	84,033	26,129	30,618	22,185	25,121	225	188,311
	July	89,606	29,117	34,247	25,007	24,453	250	202,681
	August	93,454	32,301	32,582	25,599	22,185	318	206,441
	September	87,041	26,640	28,205	22,189	21,177	318	185,571
	October	82,082	25,753	25,232	22,997	19,479	257	175,800
	November	81,725	27,310	22,003	24,901	19,953	282	176,172
	December	88,860	34,034	21,130	25,415	22,082	341	191,862
	TOTAL	**975,749**	**365,088**	**305,380**	**276,403**	**280,579**	**3,316**	**2,206,515**
1979	January	94,986	39,473	22,092	27,792	25,093	326	209,762
	February	84,745	32,274	21,845	25,911	21,311	285	186,371
	March	85,219	22,075	24,918	24,335	R25,942	382	R182,871
	April	R80,307	R20,591	R24,760	18,418	25,388	342	R169,806
	May	86,158	21,464	26,113	15,025	29,043	350	178,151
	TOTAL (Year to date)	**431,415**	**135,877**	**119,727**	**111,481**	**126,777**	**1,685**	**926,961**

[1]Includes bituminous coal, lignite, and anthracite coal.
[2]Includes fuel oil No. 2, No. 4, No. 5, No. 6, crude oil, kerosene, and petroleum coke.
[3]Includes geothermal, refuse, and wood.
R=Revised data.
Note: Sum of components may not equal totals due to independent rounding.
Source: • Federal Power Commission Form 4, "Monthly Power Plant Report".

Electric Utilities

Electricity Sales[1]

		Residential	Commercial	Industrial	Other[2]	Total
			Million kilowatt-hours			
1973	**TOTAL**	**579,231**	**388,266**	**686,085**	**59,326**	**1,712,909**
1974	**TOTAL**	**578,184**	**384,826**	**684,875**	**58,039**	**1,705,924**
1975	**TOTAL**	**584,712**	**401,674**	**675,271**	**68,153**	**1,729,810**
1976	**TOTAL**	**602,863**	**423,640**	**739,964**	**69,558**	**1,836,025**
1977	January	65,332	37,598	61,481	6,274	170,685
	February	61,423	36,105	60,439	5,770	163,737
	March	50,859	34,248	63,294	6,158	154,559
	April	44,414	33,180	63,278	5,425	146,297
	May	41,568	34,291	65,418	5,613	146,890
	June	48,419	37,658	66,064	5,601	157,742
	July	60,969	41,863	64,622	5,931	173,385
	August	62,282	42,483	66,300	5,831	176,896
	September	57,248	41,062	66,362	5,948	170,620
	October	48,741	36,655	66,295	5,982	157,673
	November	44,959	34,075	64,833	5,887	149,754
	December	54,919	35,714	63,906	6,068	160,606
	TOTAL	**641,133**	**444,932**	**772,292**	**70,488**	**1,928,844**
1978	January	65,455	38,125	64,195	6,581	174,356
	February	64,140	37,465	60,823	6,274	168,703
	March	58,391	36,282	61,506	6,032	162,212
	April	47,118	33,625	63,103	5,355	149,201
	May	R43,748	R33,995	R66,618	R5,586	R149,947
	June	50,577	38,624	69,098	5,821	164,120
	July	61,401	42,607	67,397	6,322	177,727
	August	63,483	43,499	70,419	6,139	183,540
	September	61,585	42,666	70,170	6,432	180,853
	October	50,765	37,944	70,396	6,057	165,162
	November	46,720	35,476	68,815	6,332	157,341
	December	56,391	37,244	67,577	6,268	167,479
	TOTAL	**R669,774**	**R457,552**	**R800,117**	**R73,199**	**R2,000,641**
1979	January	69,912	40,200	67,341	6,689	184,142
	February	67,470	39,670	66,847	6,192	180,179
	March	58,806	37,938	68,770	6,002	171,515
	April	49,647	35,731	68,777	5,589	159,744
	May	45,378	36,259	70,421	5,630	157,688
	TOTAL (Year to date)	**291,213**	**189,798**	**342,156**	**30,102**	**853,268**

[1]Electricity sales to all ultimate consumers.
[2]Includes street lighting and transportation uses.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • Federal Power Commission Form 5, "Monthly Statement of Electric Operating Revenue and Income."

Electric Utilities

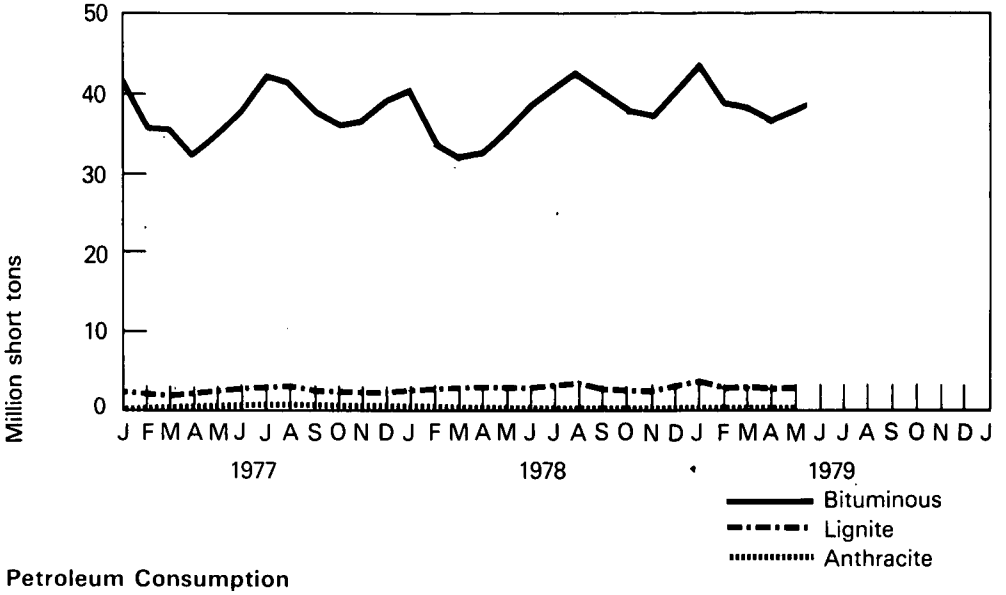
Primary Energy Resources Consumed to Produce Electricity

		Coal				Petroleum			Natural Gas
		Anthracite	Bituminous	Lignite	Total	Steam	Gas Turb./ Int. Comb.	Coke	
		Thousand short tons				Thousand barrels		Thousand short tons	Million cubic feet
1973	**TOTAL**	**1,443**	**376,975**	**10,794**	**389,212**	**513,190**	**47,058**	**507**	**3,660,172**
1974	**TOTAL**	**1,498**	**378,643**	**11,670**	**391,811**	**483,146**	**53,128**	**625**	**3,443,428**
1975	**TOTAL**	**1,480**	**388,523**	**15,960**	**405,962**	**467,221**	**38,907**	**70**	**3,157,669**
1976	**TOTAL**	**1,350**	**425,205**	**21,817**	**448,371**	**514,077**	**41,843**	**68**	**3,080,868**
1977	January	127	41,205	1,918	43,250	66,379	9,518	5	205,074
	February	114	35,828	1,718	37,660	47,659	3,150	5	200,413
	March	100	35,420	1,718	37,238	46,171	2,494	9	231,826
	April	120	32,117	1,802	34,039	42,218	2,213	12	223,081
	May	127	34,859	2,165	37,151	44,779	3,846	8	259,798
	June	129	37,626	2,384	40,139	46,249	4,300	9	310,669
	July	123	42,592	2,247	44,962	54,664	7,738	12	346,639
	August	125	41,678	2,354	44,158	51,950	4,641	11	350,718
	September	137	37,872	2,146	40,155	43,297	2,517	8	324,549
	October	108	36,160	2,099	38,367	38,071	1,895	6	284,788
	November	109	36,624	1,976	38,709	40,653	2,464	6	234,006
	December	106	39,069	2,123	41,298	52,780	4,061	7	219,639
	TOTAL	**1,425**	**451,051**	**24,650**	**477,126**	**574,869**	**48,837**	**98**	**3,191,200**
1978	January	101	40,506	2,101	42,708	61,271	8,256	10	229,187
	February	88	33,556	2,189	35,832	59,636	7,709	55	211,169
	March	100	31,275	2,629	34,004	58,772	5,475	64	232,198
	April	83	32,128	2,406	34,617	40,877	2,151	39	223,186
	May	73	34,902	2,224	37,199	40,244	2,293	28	260,798
	June	91	38,250	2,453	40,794	42,729	3,570	31	321,426
	July	85	40,906	3,127	44,118	47,547	3,569	32	362,192
	August	100	42,665	3,297	46,062	52,637	3,563	31	340,292
	September	86	39,835	2,725	42,646	43,114	3,300	28	296,976
	October	82	37,197	2,574	39,853	42,253	1,823	25	262,878
	November	88	36,982	2,681	39,751	44,516	2,161	27	228,001
	December	87	40,581	3,001	43,669	54,771	3,643	30	220,003
	TOTAL	**1,064**	**448,782**	**31,407**	**481,254**	**588,366**	**47,511**	**398**	**3,188,306**
1979	January	89	43,791	3,021	46,902	62,436	6,239	33	228,435
	February	75	39,010	2,806	41,891	51,854	4,953	32	226,854
	March	65	38,863	2,852	41,779	36,537	1,868	22	260,412
	April	66	R36,288	2,551	R38,905	R33,996	R1,664	15	R260,687
	May	106	38,662	2,757	41,525	35,374	2,030	23	277,650
	TOTAL (Year to date)	**401**	**196,615**	**13,986**	**211,002**	**220,198**	**16,753**	**125**	**1,254,038**

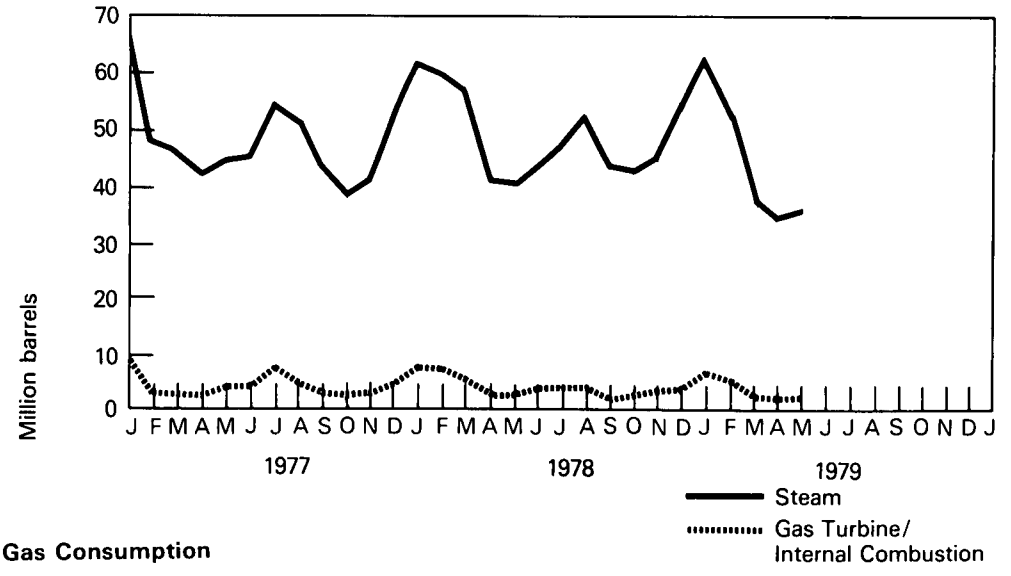
R=Revised data.
Note: Sum of the components may not equal totals due to independent rounding.
Source: • Federal Power Commission, Form 4, "Monthly Power Plant Report."

Electric Utilities

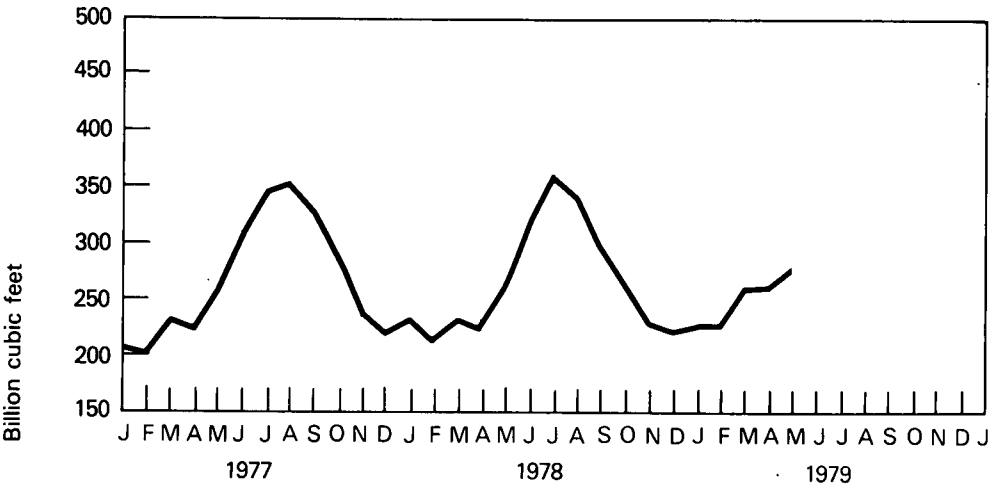
Coal Consumption



Petroleum Consumption



Gas Consumption



Electric Utilities

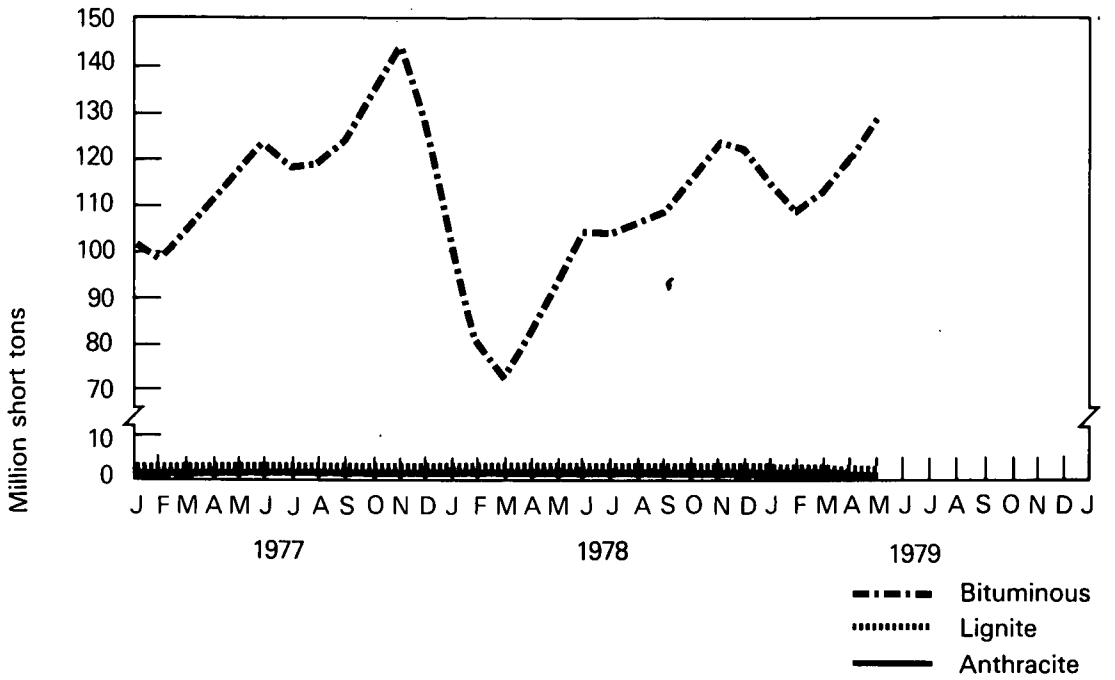
End-of-Month Coal and Petroleum Stocks

		Coal				Petroleum		
		Anthracite	Bituminous	Lignite	Total	Steam[1]	Gas Turb./ Int. Comb.[2]	Petroleum Coke
		Thousand short tons				Thousand barrels		Thousand short tons
1973	**TOTAL**	**1,066**	**84,941**	**961**	**86,967**	**79,121**	**10,095**	**312**
1974	**TOTAL**	**930**	**81,712**	**867**	**83,509**	**97,718**	**15,199**	**35**
1975	**TOTAL**	**982**	**107,927**	**1,815**	**110,724**	**108,825**	**16,432**	**31**
1976	**TOTAL**	**1,000**	**114,130**	**2,306**	**117,436**	**106,993**	**14,703**	**32**
1977	January	2,232	101,730	2,189	106,151	90,104	12,740	32
	February	2,190	98,923	2,162	103,275	95,934	14,098	32
	March	2,207	105,216	2,166	109,589	98,147	15,478	29
	April	2,209	111,326	2,352	115,888	101,631	15,817	25
	May	2,230	118,084	2,489	122,803	103,884	15,826	25
	June	2,258	124,081	2,424	128,763	107,715	15,615	30
	July	2,169	118,763	2,419	123,352	113,033	15,998	37
	August	2,310	119,018	2,470	123,798	119,381	17,062	41
	September	2,290	125,358	2,665	130,313	124,865	17,832	42
	October	2,310	134,422	2,901	139,634	127,957	19,096	44
	November	2,325	144,365	2,966	149,656	129,206	19,079	46
	December	2,321	128,210	2,688	133,219	124,750	19,281	44
1978	January	2,280	100,547	2,418	105,245	114,174	16,260	40
	February	2,112	80,092	2,349	84,553	111,158	17,043	197
	March	2,091	72,369	2,556	77,016	112,347	17,269	182
	April	2,083	83,287	2,612	87,982	116,101	17,386	164
	May	2,145	95,699	2,782	100,626	118,940	16,972	167
	June	2,215	105,611	2,923	110,749	120,186	17,581	167
	July	2,241	104,606	2,849	109,696	121,509	17,580	176
	August	2,208	106,915	3,140	112,263	119,358	17,389	173
	September	2,224	109,748	3,187	115,159	121,115	17,538	181
	October	2,220	115,943	3,431	121,594	117,681	17,355	189
	November	2,199	124,058	3,118	129,376	112,219	17,240	199
	December	2,178	123,017	3,027	128,222	102,401	16,385	198
1979	January	2,154	114,980	2,814	119,948	89,478	15,608	181
	February	2,136	109,532	2,726	114,394	81,996	15,515	166
	March	2,170	113,660	2,704	118,533	95,952	R16,324	170
	April	2,220	R120,131	2,680	R125,031	R99,451	R16,783	170
	May	2,231	128,846	2,600	133,677	105,795	16,900	158

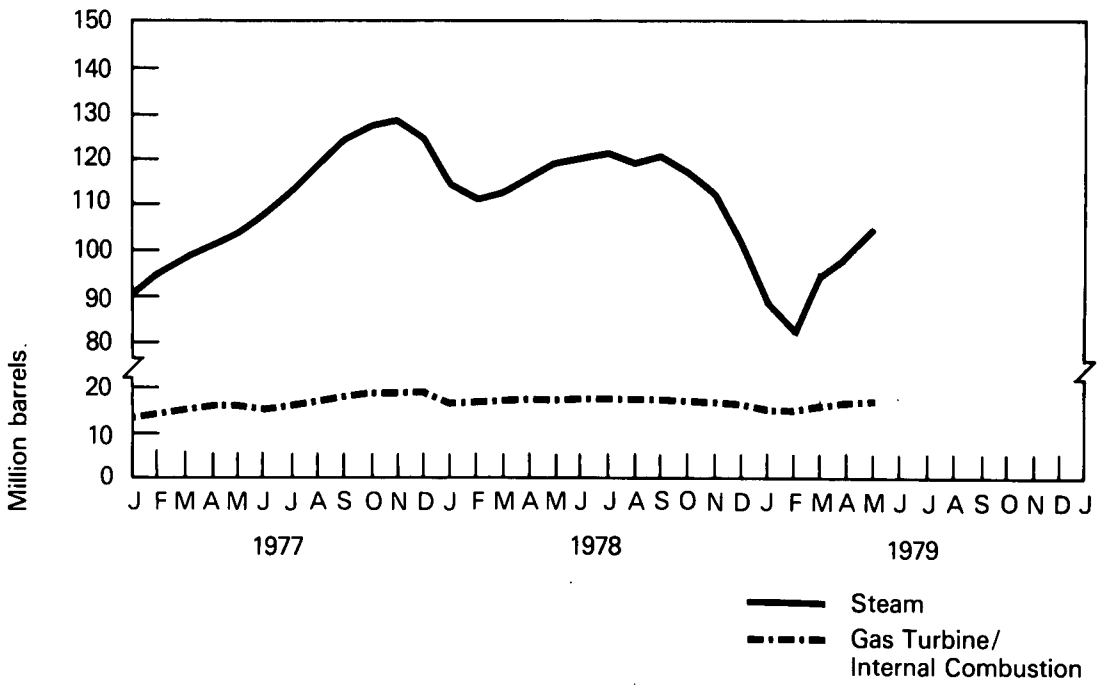
[1]Primarily residual fuel oil.
[2]Primarily middle distillates.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: • Federal Power Commission Form 4, "Monthly Power Plant Report."

Electric Utilities

Coal Stocks



Petroleum Stocks



Nuclear Power

During June 1979, domestic nuclear powerplants generated 16.3 billion net kilowatt-hours*, approximately 8 percent higher than generation for the previous month.

At the end of June there were 71 nuclear reactors in operation or in startup testing, 92 had construction permits, 27 were awaiting construction permits, and an additional 8 had construction activity planned. There were 189 nuclear reactors operating in eighteen non-Communist countries with an overall capacity of 110,380 thousand of gross kilowatts. Total power production amounted to 38,056 million of gross kilowatt-hours.

Twenty-eight percent of the 2,232 metric tons of separative work** performed by domestic enrichment plants was for foreign customers.

Four of the 5 reactors shut down by the Nuclear Regulatory Commission (NRC) (MER, May 1979) due to possible design deficiencies in the auxiliary piping system of each unit remained shut down at the end of June.

Three of 9 reactors built by Babcock and Wilcox Company had resumed sustained operation by the end of June. The NRC had previously directed (MER July 1979) that alterations be made to all operational units built by Babcock and Wilcox Company, the firm which built the Three Mile Island 2 reactor.

*Preliminary data shown in the first table as average power or 22,614 thousand net kilowatts for all plants.
**See definitions.

Nuclear Power

Domestic Nuclear Powerplant Operations

		Maximum Dependable Capacity[1]		Average Power[2]		Percent of Total Domestic Electricity Generation
		All Plants[3]	Fully Operable Plants[4]	All Plants[3]	Fully Operable Plants[4]	
		Thousand net kilowatts				
1973	**AVERAGE**	**13,850**	**NA**	**8,760**	**NA**	**4.5**
1974	**AVERAGE**	**29,921**	**NA**	**13,011**	**NA**	**6.1**
1975	**AVERAGE**	**35,671**	**NA**	**19,692**	**NA**	**9.0**
1976	**AVERAGE**	**40,642**	**36,170**	**21,756**	**21,356**	**9.4**
1977	January	44,316	39,371	29,774	27,858	11.3
	February	44,282	39,320	29,167	27,072	12.0
	March	44,289	42,006	27,785	26,632	12.2
	April	45,131	42,882	27,631	27,062	12.7
	May	45,222	42,818	27,687	27,059	12.2
	June	45,991	43,908	29,885	29,885	11.9
	July	45,984	43,901	29,334	29,334	11.0
	August	45,982	43,898	30,578	30,560	11.6
	September	46,051	43,898	27,264	26,863	11.1
	October	46,088	44,935	25,558	25,298	11.4
	November	46,088	44,793	27,025	26,440	11.6
	December	47,133	45,710	31,950	31,649	12.9
	AVERAGE	**45,554**	**43,054**	**28,640**	**27,988**	**11.8**
1978	January	47,167	45,727	34,722	34,681	13.1
	February	48,080	45,744	32,489	32,489	12.6
	March	48,062	45,744	30,173	30,166	13.0
	April	48,926	45,746	24,451	24,106	11.0
	May	48,924	45,744	27,441	26,736	11.6
	June	49,714	46,627	30,813	30,164	11.8
	July	49,719	47,714	33,612	33,496	12.3
	August	49,815	47,810	34,408	34,396	12.4
	September	49,815	47,810	30,818	30,757	12.0
	October	50,776	47,864	30,868	30,489	13.2
	November	50,776	47,864	34,584	34,118	14.1
	December	50,774	48,742	34,160	33,676	13.2
	AVERAGE	**49,385**	**46,937**	**31,553**	**31,280**	**12.5**
1979	January	50,771	48,745	37,355	37,148	13.2
	February	50,720	48,762	38,558	38,400	13.9
	March	50,720	48,762	32,708	32,708	13.3
	April	50,705	48,747	25,616	25,516	10.9
	May	50,705	48,747	R20,195	R20,195	R8.4
	June†	50,705	48,747	22,614	22,380	8.6
	AVERAGE	**50,721**	**48,751**	**29,418**	**29,319**	**11.4**

[1]See definitions.
[2]Average power: Represents generated electricity on an average hourly basis. Actual generation for a specific period = average power times the number of hours of the period. The result should compare favorably with nuclear generation data in Part 7.
[3]Includes all units authorized to generate commercial electricity, including 3 units in start-up testing (see definitions) and those owned by the Government.
[4]Units in start-up testing are not included.
†Preliminary data.
R=Revised data.
NA=Not available.
Sources: • Capacity data for units in commercial operation or start-up testing—Nuclear Regulatory Commission.
• Average power data for June 1979 computed from Nuclear Regulatory Commission. Remaining data from Federal Power Commission Form 4, "Monthly Powerplant Report."

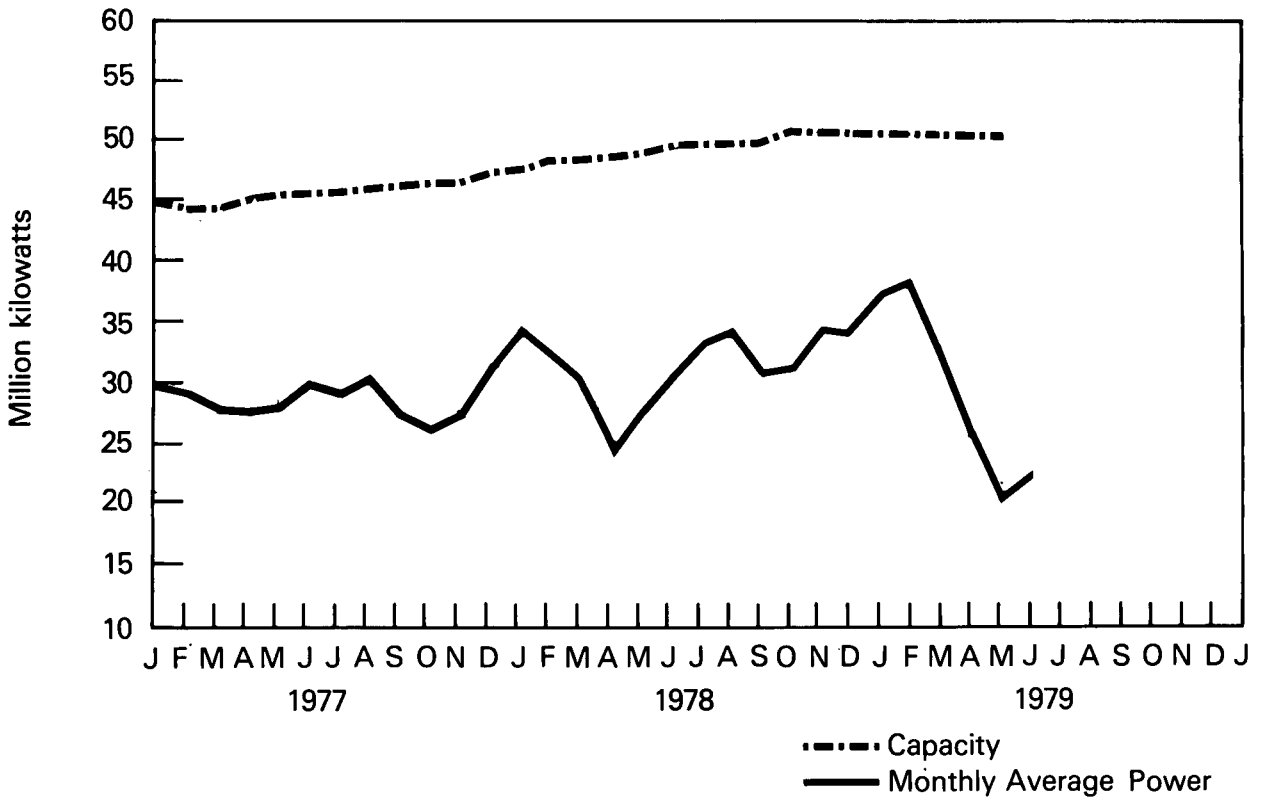
Nuclear Power

Status of Nuclear Powerplants– June 30, 1979

Status	Number of Plants					Design Capacity
	Boiling Water Reactors	High Temperature Gas Reactors	Pressurized Water Reactors	Other[2]	Total	Thousand Net Kilowatts
In operation or startup testing[1]	26	1	42	2	71	52,000
Construction permit granted	28	0	64	0	92	101,000
Construction permit pending	7	0	19	1	27	31,000
Orders placed for plant	2	0	3	0	5	6,000
Publicly announced	0	0	0	3	3	4,000
TOTAL	**63**	**1**	**128**	**6**	**198**	**[3]194,000**

[1]Does not include the Indian Point 1 reactor which is in indefinite shutdown status. Includes Humboldt Bay, shutdown for seismic modifications. Includes 5 plants which were shut down by the NRC due to design deficiencies in auxiliary piping support structures. Also includes Three Mile Island 2 which was shut down due to an accident in late March and 8 other Babcock and Wilcox units shut down by the NRC in April.
[2]Includes two dual-purpose Department of Energy-owned reactors, both operating. Also includes 1 Liquid Metal Fast Breeder Reactor and 3 announced intentions to order for which a reactor type has not been chosen.
[3]Total may not equal sum of components due to independent rounding.
Source: • U.S. Department of Energy.

U.S. Nuclear Powerplants



Nuclear Power

Domestic Uranium Enrichment

	Separative Work Performed (Metric tons of separative work units)			Cost (Million dollars)			Product Quantity (Metric tons of uranium)			Feed Requirements (Metric tons of uranium)		
	Domestic	Foreign Customers	Total	Domestic	Foreign Customers	Total	Domestic	Foreign Customers	Total	Domestic	Foreign Customers	Total
1979												
January	655.047	548.602	1,203.649	55.549	47.706	103.255	138.719	143.481	282.200	813.357	721.309	1,534.666
February	299.404	248.788	548.192	24.910	20.550	45.460	60.214	60.529	120.743	370.606	320.028	690.634
March	989.610	380.652	1,370.262	84.348	32.310	116.658	234.912	85.011	319.923	1,265.799	477.475	1,763.274
April	508.870	100.395	609.265	44.115	8.449	52.564	130.867	26.689	157.556	665.046	132.536	797.582
May	199.210	150.441	349.651	17.660	13.408	31.068	71.692	40.649	112.341	291.130	199.847	490.977
June	1,608.744	623.327	2,232.071	143.209	55.478	198.687	434.332	123.760	558.092	2,126.413	766.576	2,892.989

Source: • U.S. Department of Energy.

Nuclear Power Generation by Non-Communist Countries—June 1979

Country	Number of Reactors[1]	Capacity[1] (Thousand gross electrical kilowatts)	Electricity Generation (Million gross kilowatt hours)		Percent of Design Capacity Used June 1979	Year[2] 1976	Year[2] 1977	Year[2] 1978
Asia								
Japan	20	12,840	3,970		43	64	40	55
India	3	620	285		64	59	51	42
Pakistan	1	140	0		0	41	28	19
South Korea	1	590	300		71	NA	NA	45
Taiwan	2	1,270	645		70	NA	21	49
Europe								
Belgium	3	1,740	1,161		92	65	78	82
England[3]	33	9,010	3,149		42	62	55	51
Finland	2	1,150	394		48	NA	92	81
France	15	7,800	2,963		53	59	52	59
Germany (FR)	10	7,050	2,415		48	57	64	58
Italy	4	1,490	132		12	69	61	51
Netherlands	2	520	365		97	84	81	89
Spain	3	1,120	260		32	77	67	78
Sweden	6	3,850	1,003		36	55	59	70
Switzerland	3	1,060	505		66	85	87	90
North America								
Canada[4]	9	5,590	3,194		85	80	76	79
United States	71	54,180	17,087		44	55	64	65
South America								
Argentina	1	370	229		87	86	55	91
Total	**189**	**[5]110,380**	**[5]38,056**	**Average**	**48**	**59**	**62**	**63**

[1] Includes fully operational units and those in startup testing which generated electricity during, or prior to, the current month. Capacity and generation figures are shown as gross values, as opposed to net values shown in previous tables of this chapter.
[2] Averages are computed for those units in operation, including startup units beginning with first month of electricity generation.
[3] June figures for 22 units are based on a 5-week period; figures for remaining units are for 30 days.
[4] June figures are based on 4-week period.
[5] Total may not equal sum of components due to independent rounding.
NA=Not available.
Source: • Compiled from *Nucleonics Week* magazine, published by McGraw-Hill, Inc.

Nuclear Power

Summary of Monthly Fuel Cycle—May 1979

Fuel Cycle Activity	Product	Processed Material[1]	Percent Utilization of Industry Capacity	Energy Content of Processed Material[2]	Energy Consumed in Fuel Cycle Activity[3]	Cost Contribution to Electric Power[4]
		MTU except where noted		Billion Btu		Mills per kilowatt hour
Milling	Yellowcake (U_3O_8) Deliveries	662	51	241,000	365	1.27
Conversion	Uranium Hexafluoride (UF_6) Deliveries	1,851	[5]102	631,000	278	0.16
Enrichment	Enriched UF_6 Deliveries	112 (350 MT-SWU)	NA	229,000	1,020	1.53
Fabrication	Finished Fuel Assemblies Shipped	80	NA	163,000	22	0.47
Powerplant Operation	Electricity Generated	15,025 (million kWh)	40	162,000	783 (million kWh)	10.93
Spent Fuel	Stored at Reactor Site	NA	NA	NA	NA	NA
	Stored at Non-Reactor Sites	0	0	0	0	[6]1.57

[1]Units of measure are discussed in Explanatory Notes 11 and 12.
[2]Assumes 25,000 MWD/MTU for heat content of enriched uranium and a 6.1 feed to product ratio at the enrichment plant.
[3]Energy requirements for processing are obtained from U.S.Atomic Energy Commission Report No. WASH 1248.
[4]Cost contribution is computed from unit prices paid for current month's production and requirement for a model 1000 MWe reactor operating at 65 percent capacity factor. Because of the long lead time required for nuclear fuel processing, the sum of numbers in this column does not necessarily reflect the fuel cost of current electricity production.
[5]Figure for conversion utilization represents material shipped.
[6]Figure represents current industry estimate for cost of spent fuel shipment, reprocessing, and waste disposition, exclusive of cost credits for recovered uranium and plutonium.
NA=Not available.
Source: • U.S. Department of Energy.

Price

Crude Oil

During May 1979, the composite refiner acquisition cost of crude oil was $15.40 per barrel, an increase of 88 cents per barrel from the previous month's price. The imported price rose $1.42 per barrel over the month of April, to $19.00 per barrel in May, a 30.4 percent increase over the 1978 year average. The domestic average was $12.41 an increase of 35.0 cents per barrel above the previous month.

The average price of domestic crude oil purchased at the wellhead was $10.70 per barrel. Prices for each tier increased from the previous month. In terms of percentage change, the greatest increase was the Alaskan north slope at 14.2 percent, followed by naval petroleum reserves at 6.9 percent stripper at 5.0 percent, lower tier at 1.0 percent, and upper tier at 0.5 percent.

Motor Gasoline

In May, on a national average basis, leaded regular gasoline at full serve pumps sold for an average of 81.2 cents per gallon, 4.4 cents higher than the revised price for April. The price for unleaded regular gasoline at full serve pumps was 85.8 cents per gallon, 4.2 cents higher than the revised price for April. This decreased the differential between unleaded regular and leaded regular gasoline at full serve pumps to 4.6 cents per gallon. Self serve leaded and unleaded regular gasoline prices were 78.7 and 83.4 cents per gallon, respectively.

On a regional basis, average selling prices for leaded regular gasoline at full serve pumps ranged from 77.9 cents in Region 6, to 86.5 cents in Region 9. At self serve pumps, leaded regular gasoline prices ranged from 75.2 cents in Region 6, to 84.7 cents in Region 9. The average price for unleaded regular gasoline at full serve pumps ranged from 81.9 cents in Region 6, to 90.3 cents in Region 9. At self serve pumps, this price ranged from 79.2 cents in Region 6 to 88.6 cents in Region 9.

Residual Fuel Oil

During May 1979, the average price, excluding taxes, for No. 6 residual fuel oil sold to utilities, industry, and other ultimate consumers was $17.18 per barrel, 57 cents above the previous month's price, and a 34.7 percent increase over the 1978 final average. The average price, excluding taxes, for No. 6 residual fuel oil sold to resellers, bulk plants, jobbers, and other wholesale accounts was $15.71 per barrel, a 20 cents increase from the previous month, and a 36.5 percent increase over the 1978 final average.

Aviation Fuel

During May 1979, the average price, excluding taxes, for kerosene-type jet fuel sold to commercial airlines, Department of Defense, and other ultimate consumers was 48.4 cents per gallon, an increase of 3.0 cents over the previous month, and a 24.4 percent increase over the 1978 average.

Diesel Fuel

During May 1979, the average price, excluding taxes, for No. 2 diesel fuel sold at truck stops and other retail outlets was 57.0 cents per gallon, 6.4 cents higher than the previous month, and 41.8 percent higher than the average for 1978. The average price, excluding taxes, for No. 2 diesel fuel sold to resellers, jobbers and other wholesale accounts was 53.1 cents per gallon, 5.4 cents above the previous month's price, and a 43.1 percent increase over the 1978 average.

Liquefied Petroleum Gases

During May 1979, the average wholesale price for propane, excluding taxes, was 24.2 cents per gallon, 2.2 cents above the previous month.

In May 1979, the average wholesale price for butane, excluding taxes, was 39.5 cents per gallon, a 4.1 cents increase over the previous month's price, and 71.7 percent increase over the 1978 average.

Imported Refined Products

The landed costs for No. 2 distillates during May 1979, averaged $23.78 per barrel, and No. 6 residual fuel oil (0.3 percent or less) averaged $20.50 per barrel.

Price

Domestic Prices and Percentages of Crude Oil Purchased at the Wellhead[1]

		Lower Tier[2]		Upper Tier[2]		Actual Stripper[3]		Actual Domestic Average[4]	Imputed Domestic Average[4]
		Dollars per barrel							
		Price	Percent	Price	Percent	Price	Percent	Price	Price
1976	**AVERAGE**	**5.13**	**54.4**	**11.71**	**31.5**	**12.16**	**14.1**	**8.19**	**8.06**
1977	January	5.17	50.6	11.44	36.7	13.27	12.7	8.50	8.28
	February	5.18	49.5	11.39	37.2	13.32	13.3	8.57	8.33
	March	5.15	49.2	11.03	37.2	13.31	13.6	8.45	8.19
	April	5.15	49.5	10.97	36.9	13.28	13.6	8.40	8.14
	May	5.18	48.4	10.98	37.6	13.26	14.0	8.49	8.23
	June	5.16	48.8	10.92	37.0	13.28	14.2	8.44	8.17

		Lower Tier[2]		Upper Tier[2]		Actual Stripper[3]		Actual Domestic Average[4]	Imputed Domestic Average[4]	Alaskan North Slope[5]		Naval Petroleum Reserve[6]	
		Price	Percent	Price	Percent	Price	Percent	Price	Price	Price	Percent	Price	Percent
	July	5.16	46.75	11.00	36.59	13.31	13.30	8.48	8.21	6.84	2.58	12.21	0.75
	August	5.18	43.31	10.93	36.65	13.95	13.32	8.62	8.25	6.91	5.79	12.29	0.91
	September	5.20	42.78	11.20	34.07	14.01	13.14	8.63	8.26	6.98	9.06	12.33	0.91
	October	5.23	42.23	11.42	34.58	14.01	12.92	8.72	8.36	6.66	9.09	12.38	1.15
	November	5.24	41.41	11.63	34.67	13.98	13.00	8.72	8.35	5.73	9.84	12.40	1.05
	December	5.25	40.42	11.76	34.61	13.98	13.00	8.77	8.40	5.73	10.92	12.36	1.03
	AVERAGE	**5.19**	**45.92**	**11.22**	**36.11**	**13.59**	**13.32**	**8.57**	**8.27**	**6.35**	**4.14**	**12.34**	**0.51**
1978	January	5.28	41.73	11.78	34.19	13.89	12.69	8.68	8.34	5.30	10.17	12.38	1.19
	February	5.29	40.78	11.81	34.35	13.90	13.68	8.84	8.48	5.68	9.94	12.46	1.23
	March	5.34	39.24	11.87	34.06	13.97	13.98	8.80	8.41	5.00	11.76	12.60	0.92
	April	5.35	37.94	11.94	34.04	13.95	13.72	8.82	8.44	5.15	13.26	12.67	1.02
	May	5.38	38.16	11.98	34.03	13.93	13.76	8.81	8.43	4.87	13.05	12.70	0.97
	June	5.46	36.79	12.08	35.01	13.95	13.89	9.05	8.68	5.63	13.45	13.08	0.84
	July	5.46	37.61	12.16	34.39	13.95	13.55	8.96	8.62	5.26	13.46	13.07	0.97
	August	5.50	36.49	12.22	34.45	13.93	14.42	9.05	8.67	5.09	13.66	13.04	0.95
	September	5.55	35.92	12.35	34.64	13.96	14.44	9.15	8.78	5.12	13.79	13.17	1.18
	October	5.60	36.27	12.42	34.38	13.97	14.15	9.17	8.81	5.21	13.95	13.08	1.22
	November	5.65	36.22	12.53	34.56	13.94	14.02	9.20	8.85	5.12	14.08	13.00	1.09
	December	5.68	33.65	12.59	34.74	14.08	15.88	9.47	9.07	5.40	14.42	12.92	1.28
	AVERAGE	**5.46**	**37.54**	**12.15**	**34.41**	**13.95**	**14.03**	**9.00**	**8.63**	**5.22**	**12.96**	**12.85**	**1.08**
1979	January	5.75	35.51	12.66	34.25	14.55	14.14	9.46	9.04	5.79	14.88	13.10	1.20
	February	5.76	35.20	12.78	34.97	14.88	15.08	9.69	9.21	5.87	13.71	13.94	1.01
	March	5.82	R34.59	12.84	R34.56	14.88	R14.95	9.83	9.37	6.66	14.58	R13.97	R1.29
	April	5.85	R33.98	R12.94	R34.93	R16.71	R15.27	R10.33	R9.60	7.45	R14.52	14.56	R1.28
	Mayt	5.91	33.53	13.01	34.73	17.54	15.61	10.70	9.86	8.51	14.79	15.56	1.32
	AVERAGE	**5.82**	**34.54**	**12.85**	**34.68**	**15.76**	**15.01**	**10.01**	**9.42**	**6.89**	**14.51**	**14.27**	**1.22**

[1]See Explanatory Note 14.
[2]See Definitions.
[3]Stripper oil was exempt from price controls beginning September 1, 1976. From February through August 1976 stripper oil was subject to upper tier price ceilings. Annual average is for 12 months (January through December 1976).
[4]See Explanatory Note 15.
[5]Alaskan North Slope (ANS) crude oil prices are treated as Upper Tier for determining the applicable wellhead ceiling prices. ANS is included in both the Actual Domestic Average and the Imputed Domestic Average price determinations.
[6]The Naval Petroleum Reserves (NPR) are exempt from pricing regulations but have been reported here as Upper Tier prior to July 1977. NPR is included in the Actual Domestic Average price determinations, but not in the Imputed Domestic Average.
†Preliminary data based on early reports.
R=Revised data.
Note: Percentage totals may not add to 100 due to rounding.
Sources: • January 1975 through January 1976—Form FEA-90, "Crude Petroleum Production Monthly Report."
• February 1976 through August 1976—FEA Form P124-M-O, "Domestic Crude Oil Purchasers Report" for Lower Tier percentages and EIA estimates for Upper Tier percentages.
• September 1976 forward—FEA Form P124-M-O, "Domestic Crude Oil Purchasers Report." Data provided by the Economic Regulatory Administration.

Price

FOB Cost of Crude Oil Imports from Selected Countries[1]

		Algeria	Canada	Indonesia	Iran	Libya	Mexico	Nigeria	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela
							Dollars per barrel					
1976	**AVERAGE**	**13.05**	**NA**	**12.76**	**11.61**	**12.55**	**NA**	**13.08**	**11.69**	**11.94**	**NA**	**11.32**
1977	January	14.03	NA	13.41	12.03	13.64	13.39	14.11	11.92	12.53	NA	13.39
	February	14.31	NA	13.43	12.36	13.89	13.42	14.24	12.04	12.33	NA	13.30
	March	14.29	NA	13.58	12.79	13.87	13.40	14.32	12.24	12.51	NA	12.98
	April	14.34	NA	13.55	12.79	13.98	13.38	14.51	12.23	12.53	NA	12.62
	May	14.31	NA	13.57	12.78	13.93	13.42	14.56	12.23	12.56	NA	12.60
	June	14.35	NA	13.55	12.68	13.94	13.41	14.55	12.21	12.44	NA	12.53
	July	14.43	NA	13.61	12.78	13.99	13.42	14.52	12.40	12.70	NA	12.48
	August	14.48	NA	13.63	12.80	13.95	13.45	14.54	12.56	13.15	NA	12.37
	September	14.43	NA	13.64	12.73	13.99	13.43	14.56	12.72	13.20	NA	12.55
	October	14.43	NA	13.65	12.79	13.93	13.42	14.48	12.70	13.22	NA	12.72
	November	14.37	NA	13.65	12.75	13.88	13.41	14.53	12.73	13.33	NA	12.71
	December	14.44	NA	13.61	12.71	13.85	13.41	14.45	12.77	13.27	NA	12.56
1978	January	14.29	NA	13.67	12.62	13.77	13.45	14.18	12.70	13.23	NA	12.73
	February	14.21	NA	13.62	12.68	13.91	13.43	14.18	12.78	13.18	NA	12.61
	March	14.19	NA	13.62	12.68	13.75	13.44	14.13	12.80	13.20	13.80	12.86
	April	14.09	NA	13.61	12.68	13.62	13.42	13.91	12.74	13.23	13.65	12.54
	May	13.99	NA	13.51	12.65	13.59	13.42	13.90	12.71	13.05	13.64	12.13
	June	14.06	NA	13.63	12.58	13.59	13.32	13.90	12.67	13.28	13.65	12.32
	July	14.06	NA	13.63	12.70	13.67	13.13	13.89	12.65	13.26	13.72	12.66
	August	14.05	NA	13.63	12.63	13.66	13.17	13.86	12.66	13.27	13.80	12.23
	September	14.05	NA	13.69	12.63	13.66	13.13	13.97	12.76	13.27	13.74	12.38
	October	14.08	NA	13.63	12.64	13.73	13.15	14.08	12.59	13.24	14.14	12.32
	November	14.13	NA	13.79	12.62	13.97	13.17	14.12	12.63	13.29	13.85	12.46
	December	14.16	NA	13.65	12.67	14.07	13.13	14.29	12.77	13.39	14.06	12.42
1979	January	14.87	NA	14.06	12.55	14.60	13.94	14.84	13.26	13.98	15.41	13.69
	February	14.89	NA	14.18	12.56	15.15	14.17	14.98	13.47	14.28	15.33	13.26
	March	15.54	NA	14.42	19.04	16.46	14.14	15.07	13.61	15.72	16.13	13.88
	April	16.80	NA	15.98	17.96	17.40	17.02	18.18	14.77	16.24	17.40	14.58
	May	19.14	NA	16.85	17.27	19.13	18.56	20.02	14.62	17.38	18.39	15.76

[1]The FOB cost excludes all costs related to insurance and transportation. See Explanatory Note 16.
NA= Not available.
R=Revised data.
Sources: • 1976 through January 1979 FEA Form F701-M-0, "Transfer Pricing Report."
• February 1979 Forward ERA 51, "Transfer Pricing Report." Data provided by the Economic Regulatory Administration.

Price

Landed Cost of Crude Oil Imports from Selected Countries[1]

		Algeria	Canada	Indonesia	Iran	Libya	Mexico	Nigeria	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela
							Dollars per barrel					
1975	**AVERAGE**	**12.72**	**12.72**	**13.79**	**12.21**	**12.35**	**NA**	**12.62**	**12.30**	**12.87**	**NA**	**11.65**
1976	**AVERAGE**	**13.81**	**13.57**	**13.82**	**12.82**	**13.58**	**NA**	**13.80**	**13.04**	**13.30**	**NA**	**11.80**
1977	January	14.80	13.92	14.42	13.16	14.64	13.78	14.97	13.22	13.56	NA	13.29
	February	15.18	13.74	14.57	13.56	15.12	13.92	15.12	13.32	13.46	NA	13.76
	March	15.08	14.34	14.64	13.94	14.88	13.77	15.13	13.50	13.80	NA	13.41
	April	15.21	14.02	14.70	13.95	15.12	13.66	15.37	13.41	13.78	NA	13.19
	May	15.20	14.94	14.59	13.94	14.91	13.80	15.40	13.49	13.85	NA	13.10
	June	15.34	14.49	14.63	13.81	14.92	13.81	15.37	13.39	13.72	NA	13.06
	July	15.29	13.91	14.75	13.84	14.88	13.87	15.39	13.64	14.20	NA	13.02
	August	15.24	14.24	14.65	13.99	14.70	13.84	15.25	13.72	14.36	NA	12.82
	September	15.29	14.14	14.62	13.77	14.99	13.72	15.34	14.01	14.41	NA	13.08
	October	15.41	14.00	14.67	13.83	14.81	13.71	15.31	13.85	14.56	NA	13.16
	November	15.05	14.52	14.73	13.88	14.73	13.79	15.23	13.94	14.19	NA	13.11
	December	15.25	14.27	14.58	13.95	14.81	13.69	15.21	13.99	14.48	NA	12.99
	AVERAGE	**15.20**	**14.21**	**14.63**	**13.80**	**14.87**	**13.75**	**15.25**	**13.61**	**14.04**	**NA**	**13.13**
1978	January	15.01	14.37	14.60	13.91	14.63	13.83	14.88	13.93	14.40	NA	13.00
	February	14.91	14.31	14.53	13.75	14.85	13.67	14.90	13.96	14.07	NA	12.93
	March	14.74	13.56	14.56	14.06	14.62	13.66	14.89	14.07	14.44	14.75	13.22
	April	14.91	13.87	14.61	13.90	14.43	13.63	14.63	13.85	14.42	14.26	12.89
	May	14.70	14.39	14.50	13.94	14.56	13.65	14.72	13.86	14.20	14.35	12.49
	June	14.80	15.07	14.58	13.92	14.45	13.51	14.61	13.86	14.48	14.19	12.72
	July	14.83	14.64	14.73	13.93	14.65	13.35	14.64	13.81	14.29	13.81	12.41
	August	14.83	14.78	14.66	13.76	14.64	13.52	14.59	13.84	14.49	14.48	12.70
	September	14.74	13.92	14.73	13.83	14.62	13.45	14.78	14.03	14.36	14.53	12.94
	October	14.90	14.73	14.68	13.89	14.81	13.39	15.03	13.89	14.61	14.85	12.78
	November	15.30	14.72	14.85	13.89	15.04	13.61	15.06	14.02	14.38	14.81	13.08
	December	15.27	14.96	14.80	13.80	15.23	13.50	15.30	14.00	14.66	15.00	13.02
	AVERAGE	**14.91**	**14.50**	**14.64**	**13.88**	**14.72**	**13.54**	**14.86**	**13.92**	**14.39**	**NA**	**12.83**
1979	January	15.88	16.19	15.29	13.76	15.81	14.51	15.88	14.73	15.53	16.29	14.16
	February	16.18	16.68	15.62	14.25	16.49	14.76	16.13	14.88	16.05	16.07	14.17
	March	16.61	17.18	15.68	19.54	17.56	14.81	16.20	15.28	17.10	15.91	14.61
	April	17.93	17.39	17.31	19.06	18.59	17.40	19.11	16.18	17.70	18.23	15.19
	May	20.22	20.22	17.92	18.56	20.16	18.82	21.06	16.29	18.65	19.26	16.74

[1]See Explanatory Note 17.
NA=Not available.
Sources: • 1976 through January 1979 FEA Form F701-M-O, "Transfer Pricing Report." Data provided by the Economic Regulatory Administration.
• February 1979 Forward ERA 51, "Transfer Pricing Report."

Price

Crude Oil Refiner Acquisition Cost[1]

		Domestic	Imported	Composite
			Dollars per barrel	
1976	**AVERAGE**	**8.84**	**13.48**	**10.89**
1977	January	9.23	14.11	11.64
	February	9.24	14.50	11.80
	March	9.32	14.54	11.88
	April	9.21	14.36	11.75
	May	9.21	14.62	11.87
	June	9.34	14.63	11.98
	July	9.32	14.44	11.90
	August	9.54	14.68	12.01
	September	9.75	14.50	12.01
	October	9.95	14.56	12.12
	November	10.17	14.61	12.18
	December	10.15	14.76	12.27
	AVERAGE	**9.55**	**14.53**	**11.96**
1978	January	10.14	14.52	12.13
	February	10.25	14.41	12.19
	March	10.46	14.57	12.23
	April	10.55	14.40	12.20
	May	10.60	14.51	12.35
	June	10.72	14.54	12.48
	July	10.58	14.49	12.45
	August	10.65	14.46	12.46
	September	10.65	14.53	12.57
	October	10.78	14.63	12.62
	November	10.87	14.74	12.76
	December	11.00	14.94	12.93
	AVERAGE	**10.61**	**14.57**	**12.46**
1979	January	11.02	15.50	13.11
	February	11.34	15.88	13.42
	March	11.45	16.41	13.70
	April	12.06	17.58	14.52
	May	12.41	19.00	15.40
	AVERAGE	**11.68**	**16.89**	**14.04**

[1]See Explanatory Note 13.

Note: Crude oil costs and volumes reported on the ERA-49 exclude unfinished oils but include Strategic Petroleum Reserve (SPR).Crude oil costs and volumes reported on the P-110-M-1 include unfinished oils but exclude SPR. Imported averages derived from the ERA-49 exclude crude oil purchased as Strategic Petroleum Reserves (SPR), whereas, the composite averages derived from the ERA-49 include SPR.

Sources: • 1974 through January 1976–Form FEO-96, "Monthly Cost Allocation Report."
• February 1976 through June 1978–FEA Form P110-M-1, "Refiners' Monthly Cost Allocation Report."
• July 1978—forward—ERA-49, "Domestic Crude Oil Entitlements Program." Data provided by the Economic Regulatory Administration.

Price

Unrecouped Costs for Refined Products for 29 Largest Refiners[1]

		Distillate[2]	Motor Gasoline	Aviation Jet Fuel[3]	Other Products	Total
				Million dollars		
1976	January	336	242	131	515	1,224
	February	279	336	145	456	1,216
	March	263	316	163	456	1,198
	April	237	398	180	524	1,339
	May	264	632	161	446	1,503
	June	NA	628	135	349	1,112
	July	NA	587	129	384	1,100
	August	NA	679	125	352	1,156
	September	NA	619	134	340	1,093
	October	NA	733	151	372	1,256
	November	NA	796	168	368	1,332
	December	NA	723	139	317	1,179
1977	January	NA	901	166	325	1,392
	February	NA	1,038	187	303	1,528
	March	NA	956	180	287	1,423
	April	NA	1,029	194	343	1,566
	May	NA	967	224	351	1,542
	June	NA	957	234	344	1,535
	July	NA	869	210	391	1,470
	August	NA	764	279	455	1,498
	September	NA	784	186	500	1,470
	October	NA	879	248	511	1,638
	November	NA	904	218	538	1,660
	December	NA	818	185	470	1,473
1978	January	NA	1,055	191	420	1,666
	February	NA	1,265	198	435	1,898
	March	NA	1,065	175	378	1,618
	April	NA	1,013	170	400	1,583
	May	NA	849	186	500	1,535
	June	NA	718	180	562	1,460
	July	NA	713	136	449	1,298
	August	NA	353	74	461	888
	September	NA	554	155	491	1,200
	October	NA	627	131	701	1,459
	November	NA	709	102	540	1,351
	December	NA	532	94	791	1,417
1979	January	NA	836	64	799	1,699
	February	NA	1,110	36	842	1,988
	March	NA	1,551	NA	837	2,388
	April	NA	2,067	NA	1,649	3,716

[1]Beginning with February 1977, data for only 29 refiners are included in this table due to the merger between Skelly Oil Company and Getty Oil Company.
[2]Includes No. 2 heating oil and No. 2 diesel fuel only. After May 1976, reporting of the distillate bank is no longer required due to decontrol of middle distillates. Aviation jet fuel was decontrolled on February 26, 1979.
[3]After February 1979, reporting of aviation jet fuel bank is no longer required due to the decontrol of kerosene-base jet fuel and aviation gasoline.
R=Revised data.
NA=Not available.
†Preliminary data.
Sources: • January 1975 through January 1976—Form FEO-96,"Monthly Cost Allocation Report."
• February 1976 forward—FEA Form P110-M-1, "Refiners' Monthly Cost Allocation Report."
• July 1978 forward EIA-14, "Refiners' Monthly Cost Allocation Report." Data provided by the Economic Regulatory Administration.

Price

Crude Oil Entitlements and Supply Ratio

		Entitlement Price[1] (Dollars)	National Old Oil (or Domestic Crude Oil) Supply Ratio[1]	Entitlement Benefit[1] (Dollars)
1976	January	8.09	0.309	2.50
	February	7.85	0.352	2.76
	March	7.89	0.358	2.82
	April	7.85	0.356	2.79
	May	7.82	0.356	2.78
	June	7.91	0.328	2.59
	July	7.80	0.314	2.45
	August	8.02	0.319	2.56
	September	7.80	0.296	2.31
	October	7.84	0.293	2.30
	November	7.90	0.273	2.16
	December	7.97	0.263	2.10
1977	January	8.30	0.266	2.21
	February	8.53	0.267	2.28
	March	8.71	0.273	2.38
	April	8.69	0.285	2.48
	May	8.77	0.280	2.46
	June	8.65	0.273	2.36
	July	8.68	0.258	2.24
	August	8.75	0.266	2.33
	September	8.75	0.250	2.19
	October	8.78	0.250	2.20
	November	8.61	0.239	2.06
	December	8.65	0.233	2.02
1978	January	8.61	0.240	2.07
	February	8.48	0.230	1.95
	March	8.47	0.225	1.91
	April	8.35	0.218	1.82
	May	8.26	0.197	1.63
	June	8.19	0.191	1.56
	July	8.16	0.184	1.50
	August	8.06	0.165	1.33
	September	8.13	0.174	1.41
	October	8.11	0.178	1.44
	November	8.16	0.166	1.35
	December	8.20	0.155	1.27
1979	January	8.74	0.178	1.56
	February	9.03	0.185	1.67
	March	9.50	0.189	1.80
	April	10.53	0.196	2.06
	May	11.74	0.208	2.44

[1]See Definitions.

Source: • FEA-P102-M-1, "Domestic Crude Oil Entitlements Program Refiners Monthly Report." Data provided by the Economic Regulatory Administration.

Price

Average Retail Motor Gasoline Selling Prices at Refiner-Owned and -Operated Stations[1]

		Leaded Regular	Leaded Premium	Unleaded Regular and Premium	Average for All Grades
		Cents per gallon, including tax			
1976	January	53.5	57.9	55.8	54.6
	February	53.4	57.8	55.9	54.7
	March	52.3	56.6	54.6	53.6
	April	52.7	56.8	55.0	54.1
	May	54.1	58.2	56.3	55.5
	June	55.7	60.1	57.9	57.0
	July	55.9	60.3	58.4	57.2
	August	55.7	60.3	58.5	57.2
	September	55.6	60.1	58.1	57.0
	October	55.4	59.9	58.1	56.9
	November	55.2	59.8	57.9	56.7
	December	55.0	59.6	57.8	56.4
	AVERAGE	**54.7**	**59.1**	**57.3**	**56.0**
1977	January	54.9	59.5	57.7	56.3
	February	55.5	60.2	58.9	57.0
	March	56.0	61.0	59.5	57.6
	April	57.1	61.9	60.6	57.6
	May	57.7	62.7	61.4	59.4
	June	58.0	62.7	61.8	60.0
	July	58.2	63.2	61.8	60.2
	August	57.9	63.1	61.8	60.0
	September	57.6	62.9	61.5	59.7
	October	57.2	62.7	61.2	59.5
	November	57.0	62.6	61.1	59.2
	December	56.9	62.7	61.0	59.2
	AVERAGE	**57.3**	**62.3**	**61.0**	**59.0**
1978	January	56.8	62.6	60.9	59.2
	February	56.5	62.4	60.7	58.6
	March	56.5	62.5	60.7	58.6
	April	56.8	62.8	61.0	58.9
	May	57.1	63.6	61.8	59.6
	June	58.3	64.5	62.6	60.5
	July	59.3	65.6	63.8	61.6
	August	60.5	66.7	64.9	62.7
	September	60.7	67.0	65.1	63.0
	October	60.6	67.0	65.1	62.9
	November	61.3	67.8	65.9	63.7
	December	62.5	68.9	66.9	64.8
	AVERAGE	**59.0**	**65.1**	**63.6**	**61.3**
1979	January	63.0	68.0	67.7	65.3
	February	64.5	70.8	68.0	66.5
	March	67.6	73.6	72.1	69.9
	April	72.3	79.0	76.6	74.5
	May	77.1	83.4	81.1	79.1

[1]Retail refers to the price at which refiner-owned and -operated retail stations sell gasoline to the consumer.
Note: Taxes are estimated to be 12.5 cents per gallon.
Source: • FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

National Average Retail Dealer Motor Gasoline Selling Prices

		Leaded Regular		Unleaded Regular		Leaded Premium		Unleaded Premium		Average for All Grades
		Full Serve	Self Serve	Full Serve	Self Serve	Full Serve	Self Serve	Full Serve	Self Serve	
		Cents per gallon, including tax								
1976	**AVERAGE**	**58.7**	**55.4**	**62.5**	**NA**	**63.8**	**60.7**	**NA**	**NA**	**NA**
1977	January	59.9	56.2	64.0	NA	65.2	61.7	68.4	NA	NA
	February	60.7	57.1	65.0	NA	66.1	62.7	67.2	NA	NA
	March	61.3	57.7	65.4	NA	66.8	63.3	70.7	NA	NA
	April	62.2	58.4	66.1	NA	67.6	64.1	71.7	NA	NA
	May	62.9	58.9	66.7	NA	68.4	64.8	71.2	NA	NA
	June	63.4	59.3	67.2	NA	68.9	65.2	71.7	NA	NA
	July	63.4	59.2	67.3	NA	68.9	65.2	71.4	NA	NA
	August	63.4	58.8	67.0	63.7	68.9	65.8	71.4	NA	NA
	September	63.3	58.5	67.0	63.7	68.9	65.8	71.3	NA	NA
	October	63.2	58.2	67.0	63.6	68.9	65.7	71.3	NA	NA
	November	63.1	58.1	67.0	63.4	68.9	65.6	71.3	NA	NA
	December	63.3	58.2	67.2	63.6	69.1	65.8	70.6	NA	NA
	AVERAGE	**62.6**	**58.2**	**66.4**	**63.6**	**68.1**	**64.7**	**71.0**	**NA**	**NA**
1978	January	61.7	57.2	65.8	61.6	67.7	63.5	69.6	66.0	63.1
	February	61.6	57.1	65.7	61.8	67.7	64.0	NA	66.1	63.0
	March	61.7	57.0	65.8	61.8	68.0	63.9	69.7	66.0	63.0
	April	61.9	57.2	66.1	62.0	68.3	64.3	70.4	NA	63.2
	May	62.5	58.2	66.9	62.9	69.0	65.3	NA	NA	64.0
	June	63.4	59.0	67.8	64.0	70.0	66.2	NA	NA	64.8
	July	64.6	60.6	68.8	65.6	71.1	68.2	73.5	70.3	66.1
	August	65.4	61.2	69.8	66.2	72.0	68.8	74.4	71.3	66.8
	September	65.8	61.7	70.2	66.9	72.4	69.2	75.2	71.3	67.2
	October	65.9	61.5	70.2	66.7	72.5	69.3	74.8	71.8	67.2
	November	66.7	62.3	71.1	67.7	73.3	70.1	76.3	73.9	68.2
	December	67.5	R63.4	71.7	68.7	R73.7	71.0	77.1	74.7	68.9
	AVERAGE	**63.9**	**59.8**	**68.4**	**64.9**	**69.4**	**67.1**	**72.8**	**69.7**	**65.5**
1979	January	68.4	64.0	72.9	69.3	74.8	71.3	78.6	75.1	69.8
	February	69.9	65.4	74.5	70.4	76.2	72.8	80.8	77.0	71.0
	March	72.6	68.7	77.4	73.9	78.9	76.0	83.7	78.8	74.0
	April	R76.8	R73.7	R81.6	R78.5	R83.5	81.7	86.2	R82.5	78.4
	May†	81.2	78.7	85.8	83.4	87.9	86.5	89.8	86.3	82.9
	AVERAGE	**73.8**	**70.2**	**78.4**	**75.3**	**79.9**	**77.0**	**84.4**	**80.4**	**75.4**

†Preliminary data.
NA=Not available.
R=Revised data.
Note: "Average for all grades" excludes mini-serve for January 1978 through June 1978. Mini-serve is included from July 1978 forward.
Sources: • 1975 through 1977 Lundberg Survey, Inc.
• January 1978 through June 1979 EIA-8, "Retail Motor Fuels Service Station Survey".
• July 1978 forward, EIA-79, "Monthly Motor Gasoline Service Station Survey".

Price

Average Retail Dealer Motor Gasoline Selling Prices for Major[1] and Nonmajor Brands—March, April and May 1979

	Full Serve			Self Serve			Full Serve			Self Serve		
	March	April†	May†	March	April†	May†	March	April†	May†	March	April†	May†
	Leaded Regular						Unleaded Regular					
	Cents per gallon, including tax											
Major	R73.3	R77.6	81.1	69.1	R74.0	78.9	78.1	R82.2	86.1	74.6	78.8	83.5
Nonmajor	70.1	R74.9	80.1	R68.3	R73.3	78.4	R74.6	R79.3	84.5	72.6	R78.0	83.1
	Leaded Premium						Unleaded Premium					
Major	R79.6	R84.1	88.2	77.3	R81.9	86.7	R83.7	86.2	89.7	R79.7	R82.7	86.3
Nonmajor	R76.1	R80.8	86.5	R74.0	R81.3	86.1	NA	NA	NA	NA	NA	NA

Average Retail Dealer Motor Gasoline Selling Prices by Department of Energy (DOE) Regions[2]—March, April and May 1979

DOE Region	Full Serve			Self Serve			Full Serve			Self Serve		
	March	April†	May†	March	April†	May†	March	April†	May†	March	April†	May†
	Leaded Regular						Unleaded Regular					
	Cents per gallon, including tax											
1	72.0	R76.5	80.6	R68.3	R74.8	79.1	76.4	R80.7	84.5	R72.8	R79.5	83.0
2	R71.7	R76.7	81.6	70.4	R75.2	80.2	R76.6	R81.3	85.7	75.0	R79.9	84.9
3	R71.7	75.2	79.7	R68.0	R72.7	78.1	76.0	R79.8	84.2	R73.2	R77.5	82.7
4	70.9	R75.3	79.2	67.1	R71.8	76.3	75.9	R80.1	84.2	72.2	R76.5	81.0
5	74.0	R77.7	82.2	69.7	R73.7	78.8	R79.3	R82.7	87.0	75.3	R78.6	83.7
6	70.7	R74.5	77.9	R65.6	R69.8	75.2	74.9	R78.6	81.9	R69.8	74.0	79.2
7	R72.9	R76.6	80.8	69.8	R73.7	79.1	R77.0	R80.8	85.0	R73.9	R78.1	83.5
8	R74.8	78.3	81.9	R70.9	R74.5	79.3	R78.5	R82.3	86.0	R75.0	R78.7	83.3
9	R75.3	R81.2	86.5	R70.7	R79.1	84.7	80.2	R85.5	90.3	76.7	83.8	88.6
10	73.6	R79.0	82.9	71.7	76.9	81.2	R77.9	R82.9	87.0	75.6	R80.9	85.3
	Leaded Premium						Unleaded Premium					
1	78.2	R82.8	86.3	R74.7	R81.7	85.8	82.6	R84.4	87.7	R83.3	83.1	87.2
2	R79.2	R83.7	88.0	77.1	R83.0	87.1	R83.2	R87.1	91.0	NA	83.7	NA
3	R78.2	R81.7	86.2	R75.9	R80.4	85.4	R82.6	R85.2	88.8	R79.9	82.4	87.8
4	77.1	R81.2	85.1	R73.8	R78.3	82.5	R82.8	R85.4	89.3	R76.7	81.9	86.2
5	R80.1	R84.4	88.4	R75.9	R80.2	84.6	R86.5	R88.4	88.7	NA	85.7	NA
6	R75.8	R79.8	83.4	R71.7	75.6	80.7	R80.3	R83.1	85.5	NA	R77.3	80.7
7	R77.5	81.8	87.0	75.6	R79.8	85.9	R82.9	R85.0	89.6	R79.9	R82.5	86.6
8	R80.1	R84.3	86.8	R76.4	80.2	84.8	R83.1	86.4	90.2	NA	83.9	89.5
9	R81.7	86.9	91.8	78.7	R85.7	91.2	NA	NA	NA	NA	NA	NA
10	79.7	R84.6	88.6	R77.6	82.9	86.9	NA	NA	NA	NA	NA	NA

[1] See Explanatory Note 18.
[2] DOE regions are defined in Explanatory Note 19.
R=Revised data.
†Preliminary data.
NA=Not available.
Source: • EIA-79, "Monthly Motor Gasoline Service Station Survey."

Price

Aviation and Diesel Fuels

		Aviation					Diesel	
		Aviation Gasoline		Naphtha-Type[1]	Kerosene-Type		No. 2 Diesel	
		Wholesale[2]	Retail[2]	Retail[2]	Wholesale[2]	Retail[2]	Wholesale[3]	Retail[3]
		Cents per gallon, excluding tax						
1976	**AVERAGE**	**42.4**	**43.1**	**31.5**	**32.5**	**31.2**	**31.9**	**34.7**
1977	January	43.4	44.1	33.4	34.6	33.2	34.3	36.6
	February	44.7	45.0	34.0	37.1	34.1	35.3	38.2
	March	45.0	45.7	34.5	35.9	34.6	35.9	39.0
	April	46.0	47.2	34.3	35.9	34.9	36.1	39.6
	May	46.6	47.8	34.3	36.3	35.1	36.5	39.6
	June	46.7	47.6	35.1	36.8	35.7	36.3	39.6
	July	47.0	48.7	35.6	37.1	35.8	36.2	39.6
	August	47.9	50.1	35.5	36.6	36.0	36.2	39.5
	September	47.9	49.1	35.6	37.1	37.0	36.2	40.2
	October	48.1	49.0	35.7	37.3	37.3	36.5	40.3
	November	48.3	47.8	35.8	37.9	37.5	36.7	40.1
	December	47.8	48.1	36.2	37.2	37.8	36.6	39.9
	AVERAGE	**46.7**	**47.7**	**35.0**	**36.7**	**35.8**	**36.1**	**39.3**
1978	January	47.8	49.1	36.9	37.9	38.5	36.6	39.5
	February	48.3	48.4	36.5	38.3	38.2	36.6	39.8
	March	49.1	49.4	36.9	37.8	38.4	36.7	39.7
	April	49.5	51.5	36.8	38.1	38.5	36.5	39.6
	May	50.1	50.0	37.3	38.3	38.6	36.6	39.9
	June	50.4	52.8	37.2	38.9	38.9	36.7	40.1
	July	51.4	52.4	37.6	39.0	38.9	36.4	40.0
	August	52.0	54.0	37.5	38.9	39.3	36.6	40.0
	September	52.6	54.0	37.8	39.2	39.3	37.1	39.8
	October	52.5	56.1	38.5	39.7	39.3	37.7	40.9
	November	53.4	51.4	38.5	40.2	39.4	38.6	41.7
	December	53.2	54.3	38.4	40.6	39.5	39.1	42.0
	AVERAGE	**51.0**	**52.1**	**37.5**	**38.9**	**38.9**	**37.1**	**40.2**
1979	January	54.1	53.9	38.6	42.2	40.1	39.7	43.0
	February	54.6	55.1	39.1	44.3	40.2	41.8	46.1
	March	56.6	56.8	40.7	54.8	41.3	44.5	47.9
	April	58.2	59.1	43.2	R60.1	45.4	R47.7	R50.6
	May†	60.7	61.2	44.1	57.6	48.4	53.1	57.0

[1]Nearly all naphtha-type fuels are sold directly to the Defense Fuel Supply Center. Consequently, wholesale prices are not applicable.
[2]Wholesale refers to the price of aviation fuel sold to refiners and resellers, including bulk plants, branded and unbranded jobbers, and aviation fuel distributors. Retail refers to the price of aviation fuel sold to ultimate consumers, including commercial airline and military accounts.
[3]Wholesale refers to the price of diesel fuel sold to other refiners and resellers, including branded jobbers, unbranded jobbers, and commercial accounts. Retail refers to the price at which company-owned and -operated retail dealers sell to consumers.
†Preliminary data.
R=Revised data.
Source: • FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

Residential Heating Oil Prices by Region

		Census Region								
		New England	Mid-Atlantic	South Atlantic	East North Central	East South Central	West North Central	West South Central	Mountain	Pacific
		Cents per gallon								
1976	January	41.5	40.0	39.6	38.3	37.8	38.2	35.0	41.2	41.6
	February	41.4	40.3	39.4	38.0	37.7	38.3	34.4	41.0	42.1
	March	41.5	39.8	39.2	37.0	36.7	37.6	34.5	40.4	41.9
	April	41.2	40.0	38.9	37.1	35.9	37.3	34.6	40.3	40.8
	May	41.1	39.7	38.2	37.1	35.6	37.3	34.0	40.4	42.1
	June	40.9	41.1	39.1	37.7	37.2	37.3	34.3	40.3	42.8
	July	40.7	39.8	39.1	37.9	36.9	37.3	34.4	40.1	45.0
	August	41.5	40.3	39.5	38.2	37.2	37.7	34.3	39.7	44.7
	September	41.9	40.8	37.5	38.3	38.0	38.8	34.8	41.1	46.0
	October	42.3	41.4	40.4	39.0	38.5	38.7	35.1	42.1	46.0
	November	43.3	42.4	42.1	40.1	39.8	39.5	36.3	42.8	46.5
	December	44.4	43.6	42.9	41.5	41.0	41.9	36.3	42.7	43.8
1977	January	45.8	44.9	44.2	43.2	43.1	43.0	36.9	43.4	44.6
	February	46.6	45.8	45.7	43.9	43.4	44.0	38.8	44.2	45.2
	March	47.1	46.3	45.5	44.4	43.8	44.6	40.2	44.7	45.9
	April	47.2	46.5	45.5	44.8	43.3	44.2	40.8	44.8	46.4
	May	47.0	46.4	45.6	44.7	43.7	43.7	40.7	44.8	46.5
	June	47.1	46.4	45.7	44.7	44.0	43.3	41.2	45.8	46.8
	July	47.1	46.4	45.7	44.7	44.2	44.2	41.2	44.2	47.9
	August	47.4	46.6	45.6	44.7	43.7	44.5	41.0	44.9	48.2
	September	47.7	46.7	45.8	45.0	44.2	44.9	41.1	44.9	47.2
	October	48.0	47.3	46.4	45.3	43.9	45.4	41.1	45.4	47.4
		DOE Region[1]								
		1	2	3	4	5	6	7	8	9	10
	November	48.5	48.1	47.0	46.1	45.7	NA	44.2	45.4	44.9	47.4
	December	48.9	48.6	47.5	46.6	46.1	NA	44.5	45.7	44.5	47.3
1978	January	49.4	49.2	48.1	47.5	46.4	NA	44.5	45.2	44.7	47.4
	February	49.5	49.3	48.4	47.6	46.4	NA	45.2	45.5	45.6	47.5
	March	49.4	49.3	48.4	47.7	46.5	NA	44.4	45.0	47.0	47.8
	April	49.3	49.2	48.2	47.1	46.4	NA	44.6	45.0	45.1	47.6
	May	49.3	49.1	47.7	46.7	46.3	NA	44.7	45.0	44.4	47.4
	June	49.2	49.1	47.8	46.8	46.0	NA	44.8	45.4	43.9	47.7
	July	49.1	49.0	47.6	46.7	46.4	NA	45.0	45.8	43.5	48.1
	August	49.1	49.0	47.6	47.4	46.3	NA	45.1	45.5	44.8	47.3
	September	50.0	49.7	48.5	46.6	46.8	NA	45.6	46.3	45.0	47.7
	October	51.2	51.0	50.0	48.1	47.6	NA	45.9	46.3	45.9	48.3
	November	52.8	52.3	51.3	49.5	49.2	NA	47.6	47.9	45.8	49.1
	December	54.0	53.4	52.3	50.4	50.2	NA	48.2	48.7	46.7	49.9
1979	January	55.1	54.5	53.3	51.6	51.5	NA	49.6	50.4	47.6	50.8
	February	57.7	57.3	55.5	53.2	53.7	NA	51.3	51.4	49.4	52.9
	March	60.6	59.8	57.5	54.3	56.3	NA	54.7	55.3	50.8	55.3
	April	62.8	61.9	R60.0	R57.3	58.8	NA	R58.2	58.4	53.8	57.8
	May†	66.1	64.9	63.3	61.2	62.8	NA	62.0	63.0	56.2	60.7

[1]DOE regions are defined in Explanatory Note 19.
R=Revised data.
NA=Not available. Data for Region 6 are based on a sample of less than four reporting firms.
†Preliminary data
Note: Average regional distributor purchase prices for heating oil for the period January 1975 through February 1976 are published on page 70 of the October 1977 issue of the *Monthly Energy Review.*
Source: • FEA Form P112-M-1/EIA-9, "No. 2 Heating Oil Supply/Price Monitoring Report."

Price

National Average Heating Oil Prices[1]

		Refiners' Average Selling Price to Resellers and Retailers	Residential Average Selling Price[2]	Residential Average Purchase Price[2]	Residential Average Distributor Margin[2]
			Cents per gallon		
1976	**AVERAGE**	**31.4**	**40.6**	**32.6**	
1977	January	34.7	44.4	35.8	9.3
	February	35.4	45.3	36.7	9.4
	March	35.9	45.8	37.0	9.5
	April	35.8	45.9	37.1	9.6
	May	35.7	45.7	37.1	9.5
	June	35.7	45.7	37.1	9.3
	July	35.8	45.8	37.2	9.3
	August	35.7	46.0	37.3	9.2
	September	35.5	46.2	37.4	9.4
	October	36.0	46.7	37.5	9.8
	November	36.3	47.6	37.3	10.2
	December	36.6	47.9	37.2	10.4
	AVERAGE	**35.7**	**46.0**	**36.9**	
1978	January	36.8	48.5	38.1	10.5
	February	36.4	48.6	37.8	11.0
	March	36.2	48.6	37.6	11.1
	April	36.0	48.6	37.6	11.1
	May	36.2	48.3	37.6	11.0
	June	35.8	48.2	37.7	10.7
	July	35.9	48.2	37.7	10.7
	August	36.1	48.2	37.9	10.5
	September	36.9	49.0	38.6	10.6
	October	38.1	50.2	39.6	10.8
	November	39.4	51.5	40.5	11.2
	December	40.1	52.6	41.3	11.6
	AVERAGE	**37.2**	**49.4**	**38.7**	**11.0**
1979	January	40.9	53.7	42.1	11.8
	February	43.1	56.3	44.5	12.0
	March	45.8	58.8	47.0	12.0
	April	R48.3	61.1	49.3	12.1
	May†	51.9	64.2	52.5	12.2
	AVERAGE	**44.8**	**57.1**	**45.3**	**12.0**

[1]See Explanatory Note 20.
[2]Average selling prices, purchase prices, and dealer margins represent sales for residential heating oil only.
†Preliminary data.
R=Revised data.
Source: • January 1976 forward—FEA Form P112-M-1/EIA-9, "No. 2 Heating Oil Supply/Price Monitoring Report."

Price

Average No. 6 Residual Fuel Oil Prices

		0.0 to 0.3 percent sulfur		0.31 to 1.0 percent sulfur		Greater than 1.0 percent sulfur		Average	
		Wholesale	Retail	Wholesale	Retail	Wholesale	Retail	Wholesale	Retail
		Dollars per barrel, excluding taxes							
1976	**AVERAGE**	**12.20**	**12.54**	**10.83**	**11.79**	**9.98**	**10.43**	**10.72**	**11.49**
1977	January	14.06	14.34	12.79	13.68	11.51	12.32	12.45	13.32
	February	14.00	14.60	12.91	14.06	12.04	12.74	12.69	13.71
	March	14.00	14.58	13.47	14.51	11.62	12.70	12.68	13.84
	April	12.88	14.63	13.05	14.10	11.27	12.50	12.04	13.61
	May	13.56	14.48	11.90	13.73	11.05	12.15	11.64	13.42
	June	13.12	14.28	11.88	13.27	11.10	11.93	11.72	13.02
	July	13.31	14.38	11.73	13.12	11.02	12.06	11.62	13.01
	August	13.32	14.15	11.83	13.08	11.89	12.01	12.06	13.00
	September	13.35	14.33	11.79	13.11	11.78	12.19	12.03	12.94
	October	13.38	14.30	11.69	13.15	11.71	12.33	12.10	13.15
	November	12.85	14.24	11.66	12.93	11.44	12.15	11.76	12.96
	December	12.87	13.95	11.38	12.60	10.77	11.95	11.28	12.70
	AVERAGE	**13.45**	**14.36**	**12.09**	**13.45**	**11.31**	**12.27**	**11.96**	**13.23**
1978	January	12.72	14.19	11.56	12.70	10.71	12.00	11.33	12.79
	February	12.20	14.05	11.64	12.42	10.58	11.75	11.25	12.53
	March	12.73	13.99	11.94	12.75	10.48	11.70	11.36	12.63
	April	12.72	14.51	12.26	12.95	10.84	11.85	11.57	12.87
	May	12.67	14.21	12.01	12.88	10.79	11.74	11.70	12.79
	June	12.37	13.99	11.83	12.58	10.82	11.60	11.41	12.50
	July	11.26	13.93	11.29	12.01	10.51	11.48	10.86	12.21
	August	11.41	14.09	11.24	11.97	10.46	11.54	10.70	12.34
	September	12.29	14.18	11.46	12.30	10.69	11.39	11.26	12.43
	October	13.43	14.63	12.06	13.00	10.83	11.82	11.76	13.01
	November	14.12	15.55	13.26	13.77	10.87	11.54	12.36	13.34
	December	14.66	15.98	13.19	14.13	11.04	11.82	12.57	13.75
	AVERAGE	**12.77**	**14.47**	**11.95**	**12.78**	**10.73**	**11.70**	**11.51**	**12.75**
1979	January	15.16	16.12	13.68	14.79	11.00	11.92	12.78	14.13
	February	16.12	17.28	15.01	15.30	11.28	12.28	13.72	14.68
	March	R16.08	18.05	R16.28	16.94	13.48	14.00	14.82	15.95
	April	R17.79	19.09	R16.27	17.44	R13.61	14.59	15.51	16.61
	May†	17.82	19.45	16.15	17.89	14.86	15.37	15.71	17.18

†Preliminary data.
R=Revised data.
Note: Wholesale refers to the price of residual fuel sold to other refiners and resellers, including bulk plants, branded and unbranded jobbers, and other residual dealers. Retail refers to the price at which residual fuel oil is sold to ultimate consumers such as utility, industrial, institutional, commercial, and residential accounts.
Source: • FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

Wholesale[1] Propane and Butane

		Propane	Butane
		Cents per gallon, excluding taxes	
1976	**AVERAGE**	**20.6**	**21.9**
1977	January	22.9	23.0
	February	24.0	24.3
	March	23.7	24.9
	April	23.6	24.2
	May	24.5	25.8
	June	24.5	25.6
	July	24.9	26.2
	August	25.5	26.1
	September	25.9	27.4
	October	26.8	26.3
	November	26.5	25.8
	December	26.7	25.8
	AVERAGE	**25.0**	**25.4**
1978	January	27.0	25.9
	February	26.5	25.1
	March	25.6	24.9
	April	24.4	23.9
	May	23.7	22.8
	June	23.3	22.9
	July	23.0	22.1
	August	22.7	21.8
	September	22.6	21.8
	October	22.5	20.9
	November	22.1	22.0
	December	22.1	22.7
	AVERAGE	**24.0**	**23.0**
1979	January	22.4	24.9
	February	21.8	28.5
	March	21.2	32.5
	April	22.0	35.4
	May†	24.2	39.5

[1]Wholesale refers to the price at which refiners, resellers, retailers, and gas plants sell to one another, including sales to agricultural and industrial accounts. Excludes butane/propane mixtures.
†Preliminary data.
Source: • FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

Natural Gas Prices Reported by Major Interstate Pipeline Companies

		Purchases			Sales		
		From Domestic Producers	From Canadian and Foreign Sources	Total Purchases	To Industrial Users[1]	To Resellers[2]	Total Sales
		Cents per thousand cubic feet					
1976	January	38.3	164.0	48.7	88.2	90.1	90.6
	February	39.7	165.3	50.1	88.2	93.8	94.1
	March	39.4	164.5	49.9	86.8	92.0	92.2
	April	40.5	164.3	51.5	89.0	96.5	96.4
	May	42.2	165.0	52.7	87.4	99.2	98.5
	June	43.7	166.6	54.0	89.8	99.4	98.8
	July	43.8	168.4	53.8	94.6	102.7	102.0
	August	56.4	167.7	65.7	98.2	105.3	104.6
	September	68.6	183.7	77.9	103.9	93.1	94.7
	October	57.6	190.1	69.3	106.7	105.8	106.2
	November	52.6	182.4	63.6	113.5	106.7	107.5
	December	54.0	189.4	65.7	133.1	117.8	118.6
1977	January	59.4	201.8	71.6	143.2	124.3	125.4
	February	63.4	199.7	76.4	130.6	130.4	131.0
	March	69.8	200.4	83.4	129.3	132.1	132.5
	April	65.3	190.7	76.5	128.1	131.0	131.1
	May	69.1	191.3	80.5	128.1	133.9	133.5
	June	69.2	188.6	79.6	125.3	135.1	134.2
	July	72.1	187.7	81.8	134.3	135.9	135.7
	August	71.1	185.5	81.5	133.5	134.0	133.9
	September	71.8	194.7	84.0	131.8	135.7	135.4
	October	74.2	211.9	87.4	133.9	135.6	135.6
	November	74.8	214.2	87.7	134.4	141.6	141.4
	December	73.9	216.5	86.7	138.3	132.1	133.0
1978	January	74.0	211.2	86.4	150.4	138.2	139.2
	February	76.3	211.3	89.2	158.2	141.5	142.8
	March	79.3	212.5	91.1	149.7	144.7	145.5
	April	80.7	222.0	92.9	149.9	147.7	148.2
	May	81.2	218.5	R92.5	149.0	149.7	150.0
	June	83.6	220.5	94.3	148.3	153.0	152.7
	July	84.2	226.7	95.1	149.5	155.7	155.0
	August	84.3	222.5	95.6	148.9	154.7	154.0
	September	88.1	216.8	99.6	152.0	155.4	155.0
	October	90.7	225.3	101.7	158.5	157.4	157.8
	November	90.1	219.3	102.3	171.0	161.0	162.1
	December	95.8	215.1	107.6	169.9	159.8	161.0
1979	January	99.5	215.7	110.4	192.1	161.0	163.1
	February	101.7	219.0	114.0	195.4	164.5	166.7
	March	106.1	224.8	118.4	186.8	171.5	173.2
	April	116.7	222.1	127.9	190.7	167.6	170.2
	May	118.3	228.6	129.5	202.5	188.8	190.5

[1]Represents direct sales by pipeline companies to industrial users. Does not include sales to industrial users by resellers.
[2]Includes the cost of gas to the distributing utility at entrance of distribution system or point of receipt.
R=Revised data.
Source: • Federal Power Commission Form 11, "Natural Gas Pipeline Company Monthly Statement.".

Price

Average Intrastate Natural Gas Prices for Selected States by Type of Contract[1]

	California		Kansas		Louisiana		Oklahoma		Texas	
	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended
	Cents per thousand cubic feet									
1976										
January	—	83.97	103.81	84.54	138.75	131.23	149.87	109.39	181.05	193.31
February	—	40.00	—	109.68	125.00	145.30	133.72	146.71	176.63	191.54
March	—	—	150.36	—	145.66	155.39	162.83	168.57	178.70	176.44
April	195.00	—	150.00	—	142.99	154.05	162.12	148.30	202.60	152.95
May	122.00	60.39	180.39	149.84	125.54	106.05	156.35	164.02	154.00	197.22
June	—	—	114.45	150.82	147.11	137.67	169.56	168.14	178.01	192.98
July	—	117.15	137.57	150.83	127.55	141.71	148.20	95.00	151.19	176.23
August	—	97.38	—	—	138.70	164.23	151.81	171.49	157.98	198.81
September	—	—	—	125.68	164.10	156.39	164.85	172.00	184.07	197.66
October	—	—	—	111.72	144.64	149.91	163.48	161.16	196.58	188.80
November	—	—	150.82	144.21	—	131.91	162.57	90.73	186.80	182.82
December	—	97.47	160.73	—	194.51	152.45	167.55	175.98	198.71	202.54
1977										
January	—	105.58	155.49	—	155.82	137.65	172.35	167.49	193.36	204.06
February	—	107.27	121.66	—	141.33	120.84	147.86	131.27	185.55	203.22
March	119.79	116.28	148.18	—	219.43	208.97	168.57	168.28	197.14	190.83
April	—	—	137.10	156.38	216.41	150.35	165.61	167.89	192.22	205.44
May	—	107.20	119.00	—	197.53	158.97	156.52	171.09	204.06	201.27
June	—	112.21	91.49	—	180.21	169.61	166.69	169.51	194.54	206.41
July	—	139.02	88.57	174.53	174.90	169.64	172.95	168.25	206.96	202.46
August	—	—	131.97	90.49	177.99	166.66	164.33	158.46	188.96	183.57
September	—	—	—	136.66	163.72	162.49	171.78	172.70	167.14	212.44
October	—	—	—	75.63	201.26	142.88	148.44	175.01	202.73	204.08
November	135.00	136.15	150.39	105.80	—	182.97	166.26	174.78	186.94	199.11
December	—	124.40	147.09	166.59	196.42	154.23	160.32	173.49	207.65	203.32
1978										
January	—	173.80	137.50	184.32	194.38	202.88	169.22	180.65	168.54	211.52
February	—	—	—	163.54	180.37	181.40	165.35	178.74	163.94	211.32
March	—	—	—	203.60	198.62	182.35	175.48	177.37	170.64	196.60
April	—	—	185.36	60.19	201.85	237.64	181.08	166.69	202.35	202.59
May	—	—	—	197.49	198.18	197.07	171.98	175.67	213.52	193.90
June	—	—	—	135.13	—	212.50	138.00	174.68	187.68	205.71
July	—	172.04	156.00	186.01	204.13	201.70	163.62	153.54	203.53	209.16
August	—	170.53	—	176.46	199.52	216.90	162.85	173.70	196.45	200.14
September	145.50	—	150.82	191.06	193.75	199.62	146.04	173.71	197.04	216.13
October	170.00	163.00	185.18	201.27	201.01	157.02	187.20	167.67	213.21	188.23
November	—	171.43	210.95	148.01	198.00	194.80	172.92	140.24	197.61	200.74

[1]Prices are for Federal Energy Regulatory Commission jurisdictional natural gas companies selling more than 1 billion cubic feet per year in intrastate commerce.

Source: • Federal Power Commission Form 45, "Summary of Intrastate Natural Gas Prices."

Price

Average Wellhead Value of Natural Gas Production[1]

		Cents per thousand cubic feet
1973	**AVERAGE**	**21.6**
1974	**AVERAGE**	**30.4**
1975	**AVERAGE**	**44.5**
1976	January	53.9
	February	54.0
	March	54.2
	April	54.5
	May	54.8
	June	57.8
	July	57.5
	August	60.1
	September	60.3
	October	61.7
	November	63.0
	December	64.4
	AVERAGE	**58.0**
1977	January	67.1
	February	71.0
	March	74.9
	April	77.2
	May	76.7
	June	82.3
	July	83.1
	August	82.3
	September	83.3
	October	84.0
	November	83.2
	December	84.4
	AVERAGE	**79.0**
1978	January	86.7
	February	87.5
	March	88.7
	April	87.2
	May	90.0
	June	90.0
	July	88.2
	August	90.5
	September	91.3
	October	91.3
	November	91.8
	December	*95.4*
	AVERAGE	**91.9**

Average Retail Prices for Natural Gas Sold to Residential Customers for Heating Use[2]

		Cents per thousand cubic feet
1976	January	171.4
	February	175.2
	March	177.0
	April	178.4
	May	180.8
	June	183.2
	July	184.5
	August	185.8
	September	191.2
	October	195.0
	November	198.3
	December	208.3
1977	January	213.8
	February	217.0
	March	219.9
	April	223.7
	May	227.0
	June	227.3
	July	229.9
	August	230.1
	September	230.4
	October	235.1
	November	238.4
	December	237.3
1978	January	241.6
	February	243.0
	March	247.0
	April	248.7
	May	255.2
	June	254.2
	July	NA
	August	NA
	September	NA
	October	NA
	November	285.8
	December	290.1
1979	January	297.7
	February	300.5
	March	305.5

Estimated data in italics. These are likely to change next month.

[1] *Sources:* • Annual data from the appropriate agencies of the individual producing states; monthly data are estimated primarily on the basis of values reported by state agencies in New Mexico, Oklahoma, and Texas.

[2] *Source:* • Bureau of Labor Statistics.

Price

Average Retail Electricity Prices[1]

		Residential	Commercial	Industrial	Other	Total[2]
				Cents per kilowatt-hour		
1973	**AVERAGE**	**2.54**	**2.41**	**1.25**	**2.10**	**1.96**
1974	**AVERAGE**	**3.10**	**3.04**	**1.69**	**2.75**	**2.49**
1975	**AVERAGE**	**3.51**	**3.45**	**2.07**	**3.08**	**2.92**
1976	**AVERAGE**	**3.73**	**3.69**	**2.21**	**3.27**	**3.09**
1977	January	3.62	3.78	2.35	3.36	3.20
	February	3.69	3.86	2.40	3.45	3.25
	March	3.95	4.00	2.44	3.40	3.33
	April	4.07	4.04	2.43	3.46	3.34
	May	4.19	4.09	2.45	3.64	3.38
	June	4.17	4.11	2.48	3.59	3.43
	July	4.20	4.12	2.58	3.59	3.56
	August	4.35	4.37	2.64	3.69	3.69
	September	4.26	4.21	2.60	3.59	3.58
	October	4.25	4.27	2.57	3.47	3.53
	November	4.18	4.22	2.55	3.56	3.47
	December	3.97	4.11	2.52	3.34	3.41
	AVERAGE	**4.05**	**4.09**	**2.50**	**3.51**	**3.42**
1978	January	3.90	4.11	2.60	3.47	3.46
	February	3.94	4.16	2.73	3.47	3.54
	March	4.14	4.34	2.86	3.68	3.69
	April	4.34	4.41	2.82	3.75	3.70
	May	R4.46	R4.42	R2.77	3.89	R3.69
	June	4.54	4.49	2.80	3.76	3.77
	July	4.50	4.40	2.83	3.70	3.82
	August	4.51	4.40	2.81	3.72	3.80
	September	4.48	4.41	2.79	3.72	3.78
	October	4.48	4.46	2.78	3.53	3.72
	November	4.39	4.38	2.76	3.53	3.65
	December	4.20	4.31	2.76	3.54	3.63
	AVERAGE	**4.31**	**4.36**	**2.77**	**3.62**	**3.69**
1979	January	4.08	4.29	2.82	3.58	3.65
	February	4.09	4.30	2.86	3.69	3.66
	March	4.28	4.44	2.89	3.87	3.75
	April	4.51	4.54	2.90	3.88	3.81
	May	4.68	4.65	2.96	3.98	3.89
	AVERAGE	**4.29**	**4.44**	**2.88**	**3.79**	**3.75**

[1]Prices are for Classes A and B privately owned electric utilities.
[2]Average price for total sales to ultimate consumers.
R=Revised data.
Source: • Federal Power Commission, Form 5, "Monthly Statement of Electric Operating Revenue and Income."

Price

Utility Fossil Fuels
Average Delivered Prices of Coal at Utilities

		Contract	Spot
		Dollars per short ton	
1976	**AVERAGE**	**17.90**	**21.33**
1977	January	17.87	21.93
	February	18.28	22.71
	March	18.75	23.27
	April	18.82	22.41
	May	18.97	23.73
	June	19.03	24.62
	July	19.35	25.13
	August	18.95	24.73
	September	19.75	26.14
	October	20.31	26.83
	November	20.51	27.01
	December	20.49	28.01
	AVERAGE	**19.25**	**24.99**
1978	January	16.94	30.27
	February	16.50	30.50
	March	18.59	31.52
	April	21.43	30.42
	May	22.23	29.62
	June	22.88	28.95
	July	22.08	28.94
	August	22.12	28.95
	September	22.66	29.06
	October	23.53	28.96
	November	24.03	29.29
	December	23.99	21.41
	AVERAGE	**21.41**	**29.63**
1979	January	24.40	27.82
	February	24.08	26.71
	March	24.82	27.64
	April	25.52	28.55

Source: • Federal Power Commission Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Price

Cost of Fossil Fuels Delivered to Steam Electric Utility Plants

All Fossil Fuels[1]

Region	1978 APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1979 JAN	FEB	MAR	APR
	Cents per million Btu												
New England	199.0	195.1	190.3	191.1	190.4	190.9	194.9	192.9	207.5	206.8	223.3	249.2	244.9
Middle Atlantic	153.2	150.9	157.4	157.9	155.4	154.9	156.7	159.6	163.5	170.2	180.5	174.4	168.2
East North Central	128.5	124.4	125.0	130.9	128.6	125.3	130.2	132.5	137.0	142.5	146.9	143.5	140.7
West North Central	95.4	91.1	97.0	102.0	98.1	98.5	99.5	100.7	105.9	121.6	124.3	106.9	107.3
South Atlantic	147.5	143.2	146.0	150.5	147.0	148.5	148.0	147.8	154.6	158.9	163.3	168.3	168.2
East South Central	126.6	120.0	123.8	128.6	124.4	125.1	124.1	125.4	128.3	129.7	128.1	131.7	132.4
West South Central	133.8	133.7	137.2	135.0	132.8	132.3	127.3	129.4	131.7	144.4	143.6	139.6	141.7
Mountain	66.0	72.5	74.5	74.9	74.7	75.8	83.3	82.3	82.8	89.3	91.4	92.3	99.7
Pacific	232.8	228.7	223.7	219.2	225.1	232.2	237.3	245.2	245.8	245.9	243.1	234.3	240.8
NATIONAL AVG.	**135.4**	**132.8**	**136.0**	**138.2**	**135.9**	**135.8**	**138.1**	**138.8**	**142.9**	**150.4**	**154.3**	**152.3**	**151.4**
Coal													
New England	153.4	146.8	155.3	143.3	143.9	147.2	147.4	147.0	146.8	147.1	150.3	149.9	150.9
Middle Atlantic	116.4	118.7	125.0	117.9	119.4	121.4	121.1	120.6	120.3	121.2	122.6	123.7	121.9
East North Central	117.8	116.6	117.6	121.1	120.5	119.9	120.9	123.9	123.8	124.3	123.7	126.7	129.0
West North Central	87.6	86.6	91.6	92.2	91.3	92.0	93.6	95.2	95.1	96.0	95.3	95.6	98.5
South Atlantic	130.6	129.1	129.2	129.9	127.5	129.6	132.5	134.1	138.8	136.6	136.4	136.0	137.8
East South Central	123.1	116.2	118.3	119.0	118.4	119.0	119.3	120.8	122.6	122.6	121.3	125.8	129.6
West South Central	67.0	69.0	68.6	68.6	68.0	77.3	74.1	73.4	81.4	88.2	89.3	92.9	94.9
Mountain	48.1	51.3	50.3	50.3	55.1	57.8	61.5	60.2	58.7	62.6	62.9	65.0	74.0
Pacific	78.8	78.3	78.8	77.6	77.9	79.4	79.9	78.2	78.6	84.3	82.9	83.4	82.7
NATIONAL AVG.	**110.9**	**110.6**	**112.0**	**110.2**	**110.0**	**111.4**	**114.0**	**115.6**	**115.9**	**115.8**	**114.6**	**116.8**	**120.1**
Residual Fuel Oil[1]													
New England	201.0	198.1	192.3	189.9	191.0	191.9	196.8	195.6	211.3	210.6	227.8	255.8	250.8
Middle Atlantic	209.5	208.8	206.4	202.8	203.4	209.3	214.7	224.2	226.0	232.2	243.4	266.4	273.7
East North Central	260.0	259.6	264.5	274.0	271.5	253.4	247.9	260.6	261.5	282.2	295.9	302.5	307.2
West North Central	179.4	188.7	191.8	184.1	194.0	216.3	217.1	217.6	212.6	233.9	265.4	246.4	277.0
South Atlantic	198.2	200.2	194.1	190.4	192.6	196.5	207.0	211.7	215.3	224.7	233.0	255.7	266.4
East South Central	180.6	173.4	182.8	181.9	178.5	176.8	172.4	168.8	177.4	174.7	198.3	211.6	212.1
West South Central	187.7	192.5	192.1	187.8	178.8	188.3	184.1	189.8	207.0	306.8	227.3	255.1	232.4
Mountain	212.3	202.8	205.2	207.8	209.0	215.2	215.3	252.0	228.2	237.3	233.6	246.4	276.5
Pacific	256.5	257.5	260.9	256.4	258.5	260.5	266.8	270.1	266.4	262.9	267.9	265.2	283.1
NATIONAL AVG.	**213.1**	**213.7**	**209.9**	**205.0**	**205.6**	**211.2**	**219.8**	**225.6**	**228.7**	**231.8**	**245.6**	**261.4**	**268.0**
Natural Gas[2]													
New England	184.2	184.3	185.8	200.9	185.0	184.6	192.5	187.6	193.7	208.4	219.1	224.0	233.9
Middle Atlantic	161.5	162.5	171.5	169.9	169.5	178.7	223.1	190.8	180.7	179.2	183.0	179.3	190.1
East North Central	190.6	191.7	200.0	200.8	210.8	204.6	211.0	201.6	209.8	217.2	241.7	242.3	244.3
West North Central	118.0	118.5	118.8	121.1	123.6	122.3	125.5	128.1	135.2	143.0	145.5	137.6	143.8
South Atlantic	97.9	112.3	105.2	110.7	113.5	114.1	107.7	109.2	105.1	94.1	103.0	118.5	119.7
East South Central	150.2	155.2	150.5	159.9	157.3	160.3	163.1	164.5	187.3	175.6	177.9	169.1	172.3
West South Central	137.7	135.8	140.1	140.1	138.9	137.1	134.8	134.8	133.9	146.2	147.6	142.5	149.2
Mountain	127.5	150.2	153.7	145.8	146.0	145.3	150.0	160.3	177.0	178.1	174.9	196.9	182.3
Pacific	220.1	220.4	213.4	213.5	218.8	223.4	223.3	222.1	227.7	231.0	224.9	222.0	221.6
NATIONAL AVG.	**140.2**	**143.5**	**149.3**	**149.8**	**149.4**	**146.6**	**147.1**	**141.1**	**139.4**	**150.2**	**159.1**	**162.8**	**164.4**

[1]See Explanatory Note 21.
[2]Includes small quantities of coke oven gas, refinery gas, and blast furnace gas.
Source: • Federal Power Commission Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

International

Petroleum Consumption

May 1979 petroleum consumption data are available for two countries. Italy, an IEA member, consumed 1.4 million barrels per day, and France consumed 1.9 million barrels per day. Preliminary statistics on international petroleum consumption are available for the month of March 1979 for five IEA countries (Japan 5.7 million barrels per day, West Germany 2.6 million barrels per day, United Kingdom 1.9 million barrels per day, Italy 1.6 million barrels per day, and United States 19.1 million barrels per day), and for France (2.3 million barrels per day). These six countries consumed a total of 33.2 million barrels per day, 0.9 percent less than that consumed during March 1978. Only the United Kingdom and Japan recorded significant increases over the previous year, 5.2 percent and 2.0 percent, respectively. Despite reduced consumption in the United States and West Germany, as compared to last year, total IEA consumption increased 4.3 percent.

Crude Oil Production

Total production by the Organization of Petroleum Exporting Countries (OPEC) in May 1979 remained essentially unchanged from April, at 31.1 million barrels per day. Production in Iran fell slightly in May to 3.9 million barrels per day, the result of oil field disturbances. Saudi Arabia production remained at the 8.8 million barrels per day level for the second consecutive month.

International

Petroleum Consumption for Major Free World Industrialized Countries

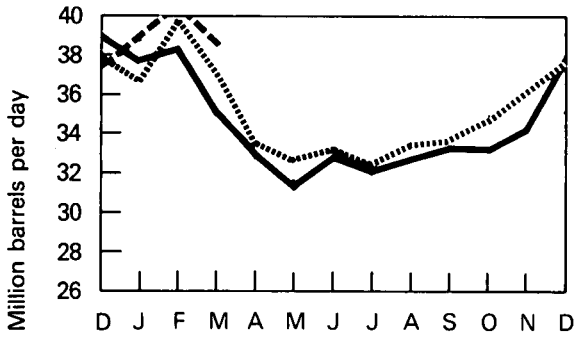
		Total IEA[1]	Japan	West Germany	France[2]	United Kingdom	Canada	Italy[3]
				Thousand barrels per day				
1973	**AVERAGE**	**33,600**	**5,000**	**2,693**	**2,219**	**1,958**	**1,597**	**1,525**
1974	**AVERAGE**	**32,390**	**4,872**	**2,408**	**2,094**	**1,829**	**1,630**	**1,521**
1975	**AVERAGE**	**31,235**	**4,568**	**2,319**	**1,925**	**1,633**	**1,595**	**1,468**
1976	**AVERAGE**	**33,180**	**4,786**	**2,507**	**2,075**	**1,601**	**1,647**	**1,503**
1977	January	37,700	5,433	2,393	2,519	1,830	1,776	1,696
	February	38,600	6,025	2,446	2,386	1,844	1,901	1,823
	March	35,000	5,539	2,523	2,109	1,818	1,651	1,573
	April	32,800	4,714	2,431	2,043	1,671	1,523	1,326
	May	31,300	4,314	2,364	1,846	1,546	1,524	1,268
	June	32,900	4,484	2,475	1,715	1,454	1,593	1,340
	July	31,800	4,716	2,382	1,349	1,300	1,497	1,251
	August	32,700	4,709	2,469	1,390	1,349	1,690	1,140
	September	33,400	4,742	2,567	1,783	1,555	1,527	1,502
	October	33,300	4,664	2,324	1,882	1,545	1,626	1,405
	November	34,300	5,093	2,649	2,181	1,912	1,718	1,605
	December	37,900	5,800	2,719	2,512	1,890	1,925	1,817
	AVERAGE	**34,300**	**5,015**	**2,478**	**1,973**	**1,655**	**1,661**	**1,476**
1978	January	36,600	5,301	2,461	2,645	1,824	1,777	1,763
	February	39,900	5,981	3,014	2,598	1,899	1,956	1,906
	March	36,900	5,595	2,610	2,236	1,840	1,681	1,589
	April	33,400	R4,849	2,577	2,044	1,791	1,561	1,339
	May	32,600	R4,437	2,341	2,131	1,618	1,522	1,300
	June	33,300	4,502	2,611	1,687	1,499	1,622	1,354
	July	32,300	4,704	2,693	1,364	1,401	1,549	1,338
	August	33,500	4,857	2,338	1,325	1,447	1,680	1,197
	September	33,700	4,827	2,561	1,665	1,557	1,595	1,566
	October	34,700	R4,847	2,633	1,997	1,676	1,749	1,573
	November	36,100	5,423	2,772	2,472	1,802	1,882	1,828
	December	37,800	6,125	2,578	2,800	1,846	1,915	1,889
	AVERAGE	**35,000**	**R5,115**	**2,596**	**2,077**	**1,683**	**R1,701**	**1,551**
1979	January	R39,400	R5,579	R2,893	2,753	1,883	NA	R1,950
	February	40,700	6,005	R2,708	R2,706	2,072	NA	R1,912
	March	38,500	5,709	2,592	R2,287	1,935	NA	1,594
	April	NA	NA	NA	2,131	NA	NA	1,435
	May	NA	NA	NA	1,892	NA	NA	1,390

[1] The 20 signatory nations of the International Energy Agency (IEA) are: Australia, Austria, Belgium, Canada, Denmark, West Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.
[2] Not a member of IEA.
[3] Principal products only.
NA=Not available.
R=Revised data.
Note: Total IEA data represent domestic products supplied in the United States and sales of petroleum products for all other members. Sales exclude refinery fuel, refinery losses, and ocean bunkers. Experience has shown that this total IEA quantity is between 93 and 95 percent of total IEA consumption.
Source: • Central Intelligence Agency, National Foreign Assessment Center, *International Energy Statistical Review*, 11 July 1979.

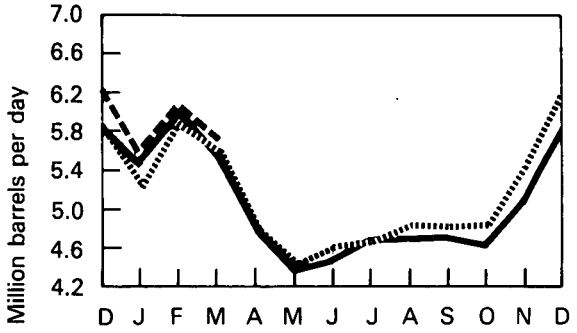
International

Petroleum Consumption

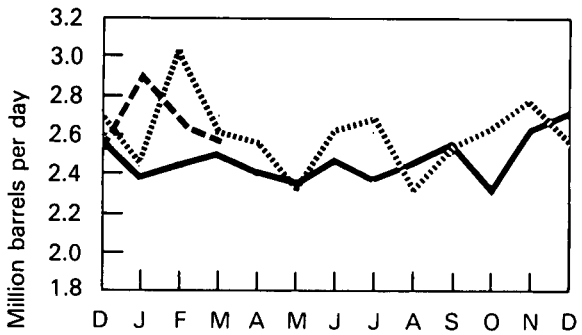
Total IEA



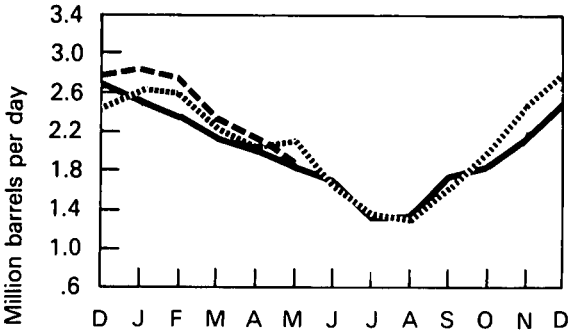
Japan*



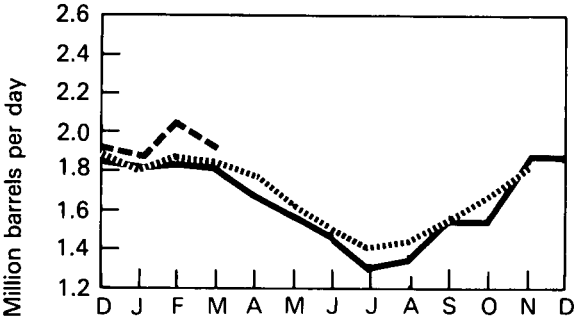
West Germany



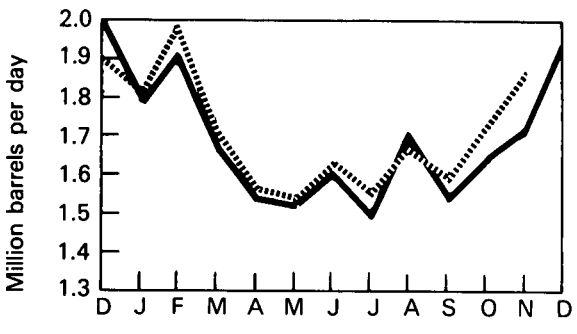
France**



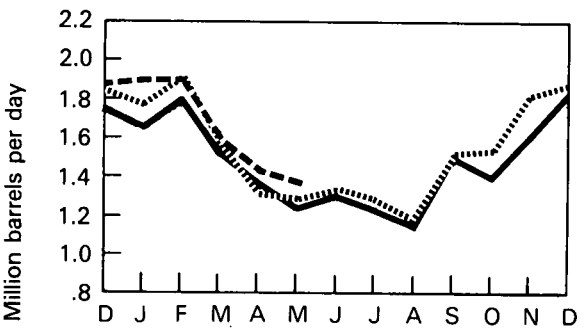
United Kingdom



Canada



Italy***



1977
1978
1979

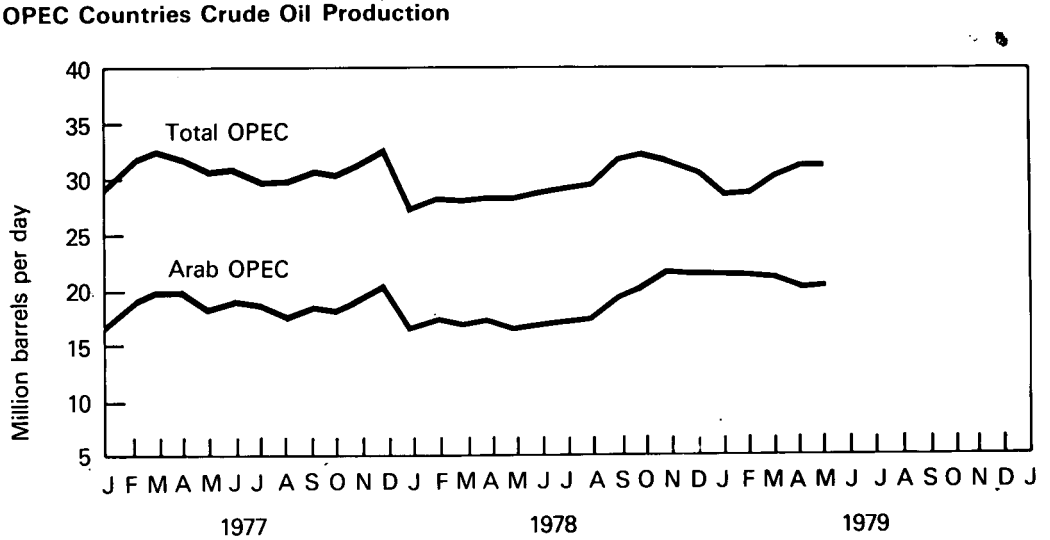
*Excludes liquefied petroleum gases and condensates.
**Not a member of IEA.
***Principal products only.

International

Crude Oil Production for Major Petroleum Exporting Countries

Country	1973 Year	1974 Year	1975 Year	1976 Year	1977 Year	1978 Year	May 1979 Production Capacity: Production	Maximum Sustainable	Unused
	Thousand barrels per day								
Algeria	1,070	960	960	990	1,122	R1,225	1,225	1,230	5
Iraq	2,020	1,970	2,260	2,415	2,493	R2,629	3,300	3,300	0
Kuwait[1]	3,020	2,545	2,085	2,145	1,969	R2,098	2,585	2,800	215
Libya	2,175	1,520	1,480	1,935	2,064	R1,993	2,025	2,200	175
Qatar	570	520	440	495	445	R484	540	600	60
Saudi Arabia[1]	7,595	8,480	7,075	8,575	9,200	R8,299	8,785	9,800	1,015
United Arab Emirates	1,535	1,680	1,665	1,935	1,999	R1,832	1,860	2,360	500
Subtotal: Arab OPEC	**17,985**	**17,675**	**15,965**	**18,490**	**19,292**	**R18,560**	**20,320**	**22,290**	**1,970**
Ecuador	210	175	160	185	183	R202	230	225	[2]
Gabon	150	200	225	225	222	R225	225	225	0
Indonesia	1,340	1,375	1,305	1,505	1,685	R1,637	1,600	1,650	50
Iran	5,860	6,020	5,350	5,885	5,699	R5,207	3,900	[3]5,500	1,600
Nigeria	2,055	2,255	1,785	2,070	2,097	R1,861	2,450	2,400	[2]
Venezuela	3,365	2,975	2,345	2,295	2,238	R2,166	2,385	2,400	15
Subtotal: Non-Arab OPEC	**12,980**	**13,000**	**11,170**	**12,165**	**12,124**	**R11,298**	**10,790**	**12,400**	**1,665**
TOTAL OPEC	**30,965**	**30,675**	**27,135**	**30,655**	**31,416**	**R29,858**	**31,110**	**34,690**	**3,635**
Canada	1,800	1,695	1,460	1,300	1,321	R1,324	1,465	NA	NA
Mexico	465	580	720	850	981	R1,207	1,470	NA	NA
TOTAL OPEC, Canada, Mexico	**33,230**	**32,950**	**29,315**	**32,805**	**33,718**	**R32,389**	**34,045**	**NA**	**NA**
TOTAL WORLD	**55,755**	**55,875**	**52,990**	**57,340**	**60,002**	**R60,243**	**62,420**	**NA**	**NA**

OPEC Countries Crude Oil Production



[1] Includes about one-half of the former Kuwait-Saudi Arabia Neutral Zone. Production in May 1979 amounted to approximately 566,000 barrels per day.
[2] Production may exceed maximum sustainable capacity for brief periods.
[3] The precise loss in sustainable capacity remains uncertain.
NA = Not available.
Sources: • Central Intelligence Agency, National Foreign Assessment Center, *International Energy Statistical Review*, July 11 1979.
• Petroleum Intelligence Weekly, July 11 1979, and U.S. Department of Energy.

Definitions

Anthracite Coal

A hard, black, lustrous coal containing a high percentage of fixed carbon and a low percentage of volatile matter. Often referred to as hard coal. Includes metaanthracite and semianthracite. Conforms to ASTM Specification D388, for anthracite coal.

Average Retail Selling Price, Motor Gasoline

The average price of sales of motor gasoline to retail customers at service stations.

Base Production Control Level

1. Prior to February 1, 1976: the total number of barrels of domestic crude oil produced and sold from a particular property in the corresponding month of 1972. If domestic crude oil was not produced and sold from that property in every month of 1972, the total number of barrels of domestic crude oil produced and sold from that property in 1972, is then divided by 12.

2. Effective February 1, 1976: the total number of barrels of crude oil produced and sold from the property during calendar year 1975, divided by 365, and multiplied by the number of days in the particular month during 1975. A producer may elect to use the total number of barrels of crude oil produced and sold from the property during calendar year 1972, divided by 366, and multiplied by the number of days in the particular month during 1972.

Bituminous Coal

A coal which is high in carbonaceous matter, having a volatility greater than anthracite coal and a calorific value greater than lignite. Often referred to in the United States as soft coal. Includes subbituminous coal and conforms to ASTM Specification D388 for bituminous and subbituminous coal.

Ceiling Price

The maximum permissible selling price, prior to February 1, 1976, for a particular grade of domestic crude oil in a particular field is the May 15, 1973, posted price, plus $1.35 per barrel.

Coke

Bituminous coal from which constituents have been driven off by heat so that the fixed carbon and the ash are fused together. It is primarily used in blast furnaces for smelting ores, especially iron ore.

Crude Oil

A mixture of hydrocarbons that in the liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Statistically, crude oil reported at refineries, in pipelines, at pipeline terminals, and on leases may include lease condensate.

Crude Oil Domestic Production

Domestic crude oil production is measured at the wellhead and includes lease condensate, which is a natural gas liquid recovered from lease separators or field facilities.

Crude Oil Entitlement Value

The average value a refiner receives from the entitlement program for each incremental barrel of imported crude oil. It is calculated by multiplying the entitlement price by the National Old Oil Supply Ratio for November 1974 through January 1976, and by the National Domestic Crude Oil Supply Ratio for February 1976 forward.

Crude Oil Imports

The volume of crude oil imported into the 50 States and the District of Columbia, including imports from U.S. territories, but excluding imports of crude oil into the Hawaiian Foreign Trade Zone.

Crude Oil Refinery Input

Total crude oil (including lease condensate) input to crude oil distillation units and other units for processing.

Crude Oil Stocks

Stocks of crude oil and lease condensate held at refineries, in pipelines, at pipeline terminals, and on leases.

Distillate Fuel Oil

A light fuel oil distilled off during the refining process. Included are products known as No. 1 and No. 2 heating oils, diesel fuels, and No. 4 fuel oil, which conform to either ASTM Specification D396 or D975. These products are used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel), and electric power generation.

Electricity Production

Production at electric utilities only. Does not include industrial electricity generation.

Entitlement Position

The monthly entitlement position of a refiner indicates whether he bought or sold entitlements in that month. An entitlement is the right to process "deemed old oil," which is the sum of a refiner's receipts of "old" oil and a fraction of his receipts of "upper tier" crude oil. This fraction is set monthly by the Economic Regulatory Administration (ERA). A refiner must purchase entitlements for the amount of his "deemed old oil" receipts in excess of the national domestic crude oil supply ratio (NDCOSR). The NDCOSR, as calculated by ERA, reflects the differences in costs to refiners of "old" oil, "upper tier" crude oil, and imported crude oil.

Entitlement Price

The price of an entitlement, fixed by ERA, is the exact differential as reported for the month between the

weighted average delivered cost per barrel to refiners of both imported crude oil and stripper crude oil, and the weighted average delivered cost per barrel to refiners of "old oil," less 21 cents.

Exploratory Well

A well drilled to 1.) find and produce oil or gas in an unproved area; 2.) find a new reservoir in a field previously found to be productive of oil or gas in another reservoir; or 3.) extend the limit of a known oil or gas reservoir.

Full Serve

Motor vehicle services are provided by an attendant, such as: pumping gas, washing windows, checking under the hood, checking tire pressure, etc.

Jet Fuel

Includes both naphtha-type and kerosene-type jet fuel meeting standards for use in aircraft turbine engines or meeting ASTM Specification D1655. Although most jet fuel is used in aircraft, some is used for other purposes, such as fuel for gas turbines to produce electricity.

Landed Cost

The cost of imported crude oil equal to actual cost of the crude oil at point of origin plus transportation cost to the United States.

Line Miles of Seismic Exploration

The distance along the earth's surface that is covered by seismic traverses.

Lignite

A brownish-black coal of low rank with high inherent moisture and volatile matter. It is also referred to as brown coal. It conforms to ASTM Specification D388 for lignite and is used almost exclusively for electric power generation.

Lower Tier Crude Oil

The total number of barrels of crude oil produced and sold from a property in a specific month up to the amount of base period production. Base period production equals the lesser of 1972 or 1975 production, with a downward adjustment to take account of depletion of the oil field (see **Base Production Control Level**).

Lower Tier Ceiling Price Determination

The lower tier ceiling price for a particular grade of domestic crude oil in a particular field is the sum of (1) the highest posted price at 6 A.M., local time, May 15, 1973, for transactions in that grade of crude oil in that field; or if there was no posted price in that field for that grade of domestic crude oil, the related price for that grade of domestic crude oil which is most similar in kind and quality in the nearest field for which prices were posted; and (2) the amount mandated in the Monthly Price Adjustment Schedules published by ERA in the **Federal Energy Guidelines** (Part 212.77-13847 Appendix).

Major Brand

Lundberg Survey, Inc., defines major brand as an integrated company that produces, refines, transports, and markets in Interstate Commerce under its own brand(s) in 10 or more states.

Motor Gasoline

A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark ignition engines. Included are leaded and unleaded products and all refinery products listed in ASTM Specification D439.

Motor Gasoline Production

Total production of motor gasoline by refineries, measured at the refinery outlet. Relatively small quantities of motor gasoline are produced at natural gas processing plants, but these quantities are not included.

Motor Gasoline Stocks

Primary motor gasoline stocks held by gasoline producers. Stocks at natural gas processing plants are not included.

Motor Gasoline, Regular Grade

Motor Gasoline that has an antiknock designation of 2 for unleaded gasoline and 3 for leaded gasoline.

Motor Gasoline, Premium Grade

Volatile hydrocarbon mixture suitable for operation of an internal combustion engine and customarily marketed as "ethyl," "super," or equivalent classification.

National Domestic Crude Oil Supply Ratio

Old oil receipts adjusted for upper tier receipts, small refiner bias, and other minor adjustments, divided by crude runs to stills adjusted for residual fuel entitlements.

Natural Gas

A mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in gaseous phase or in solution with crude oil in natural underground reservoirs at reservoir conditions.

Natural Gas Liquids

Products obtained from lease separators, field facilities, and natural gas processing plants. Natural gas liquids include natural gas plant liquids and lease condensate.

Natural Gas Plant Liquids

Products obtained from processing natural gas at natural gas processing plants, including natural gasoline plants, cycling plants and fractions. Products obtained include ethane, liquefied petroleum gases (propanes, butanes, and propane-butane mixtures), isopentane, natural gasoline, plant condensate and other minor quantities of

finished products such as motor gasoline, special napthas, jet fuel, kerosene and distillate fuel oil.

Natural Gas Production (Dry)

Derived by subtracting extraction loss from marketed production. It represents the amount of domestic natural gas production that is available to be marketed and consumed as a gas.

New Crude Oil

(See **Upper Tier Crude Oil**).

Old Crude Oil

1. Prior to February 1, 1976: the total number of barrels of crude oil produced and sold from a property in a specific month, less the total number of barrels of new crude oil for that property in that month and less the total number of barrels of released crude oil for that property in that month.

2. Effective February 1, 1976: the total number of barrels of crude oil produced and sold from a property in a specific month, less the total number of barrels of new crude oil for that property in that month.

Petroleum

A generic term applied to oil and oil products in all forms, such as crude oil, lease condensate, unfinished oil, refined petroleum products, natural gas plant liquids, and nonhydrocarbon compounds blended into finished petroleum products.

Petroleum Coke

A solid residue; the final product of the condensation process in cracking. It consists of aromatic hydrocarbons very poor in hydrogen. Calcination of petroleum coke can yield almost pure carbon or artificial graphite suitable for production of carbon or graphite electrodes, structural graphite, motor brushes, dry cells and similar productions.

Primary Stocks of Refined Petroleum Products

Stocks held at refineries, bulk terminals, and pipelines. They do not include stocks held in secondary storage facilities, such as those held by jobbers, dealers, independent marketers, and consumers.

Product Supplied—Specific Refined Petroleum Products

A calculated value, computed as domestic production plus net imports (imports less exports), less the net increase in primary stocks. It, therefore, represents the total disappearance of refined products from primary supplies. (See definition for **Products Supplied—Total Refined Petroleum Products**).

Products Supplied—Total Refined Petroleum Products

Total domestic products supplied is calculated as inputs to refineries, plus estimated refinery gain, plus hydrogen input, plus natural gas plant liquids production, plus direct use of crude as fuel, plus product imports, less product exports, less the net increase in product stocks. (See definition for **Product Supplied—Specific Refined Petroleum Products**).

Property

Prior to August 26, 1976, a property was defined as the right to produce domestic crude oil, which arises from a lease or from a fee interest. This definition was interpreted to apply only to a surface lease. In August 1976 the definition of a property was changed so that a producer may treat as a separate property each separate and distinct producing reservoir subject to the same right to produce crude oil, provided that such reservoir is recognized by the appropriate governmental regulatory authority as producing formation that is separate and distinct from, and not in communication with, any other producing formation. Although this new definition was not implemented until August 26, 1976, it was made effective retroactively to February 1, 1976. (F.R. 36171, August 26, 1976.)

Refined Petroleum Products

Products obtained from the processing of crude oil, unfinished oils, natural gas liquids and other miscellaneous hydrocarbon compounds. Includes aviation gasoline, motor gasoline, naptha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special napthas, lubricants, paraffin wax, petroleum coke, asphalt, road oil, still gas and other miscellaneous products.

Refiner Acquisition Cost

The cost to the refiner, including transportation and fees, of crude oil. The composite cost is the average of domestic and imported crude oil costs, and represents the amount of crude oil cost which refiners may pass on to their customers.

Released Crude Oil

An amount of crude oil produced from a property in a particular month prior to February 1, 1976, which is equal to the total number of barrels of new crude oil produced and sold from that property in that month. The amount of released crude oil for a property in a particular month shall not exceed the base production control level for that property in that month.

Residual Fuel Oil

The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are boiled off in refinery operations. Included are products known as No. 5 and No. 6 fuel oil that conform to ASTM Specification D396, heavy diesel oil, Navy Special Oil, Bunker C oil, and acid sludge and pitch used as refinery fuels. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Rotary Rig

A machine, used for drilling wells, that employs a rotating tube attached to a bit for boring holes through rock.

Self Serve

Motor vehicle services are not provided by attendants.

Separative Work Unit (SWU)

The measure of work required to produce enriched uranium from natural uranium. Enrichment plants separate natural uranium feed material into two groups, an enriched product group with a higher percentage of U-235 than the feed material and a depleted tails group with a lower percentage of U-235 than the feed material. To produce 1 kilogram of enriched uranium containing 2.8 percent U-235, and a depleted tails assay containing 0.3 percent U-235, it requires 6 kilograms of natural uranium feed and 3 kilograms of separative work units (3 SWU).

Strategic Petroleum Reserves

A plan developed to reduce the impact of interruption of imports of petroleum. Congress enacted legislation to establish a strategic Petroleum Reserve in Title I, Part B of the Energy Policy and Conservation Act of 1975, Public Law 94-163.

Startup Test Phase of Nuclear Powerplant

A nuclear powerplant that has been licensed by the Nuclear Regulatory Commission to operate, but that is in the initial testing phase during which production of electricity may not be continuous. In general, when the electric utility is satisfied with the plant's performance, it formally accepts the plant from the manufacturer, and places it in "commercial operation" status. A request is then submitted to the appropriate utility rate commission to include the powerplant in the rate base calculation.

Stripper Well Property

A property whose average daily production of crude oil per well (excluding condensate recovered in nonassociated natural gas production) did not exceed 10 barrels per day during any preceding consecutive 12-month period beginning after December 31, 1972.

Synthetic Natural Gas (SNG)

A product resulting from the manufacture, conversion, or reforming of petroleum hydrocarbons which may be easily substituted for or interchanged with pipeline quality natural gas.

Unaccounted for Crude Oil

Represents the arithmetic difference between the indicated demand for crude oil and the total disposition of crude oil. Indicated demand is the sum of crude oil production and imports less changes in crude oil stocks. Total disposition of crude oil is the sum of refinery imports, exports of crude oil, oil burned as fuel and losses of oil.

Unrecouped Costs

Costs which have not been recovered in the current month's product prices but which have been "banked" for later use.

Upper Tier Crude Oil

1. Prior to February 1, 1976: the total number of barrels of domestic crude oil produced and sold in a specific month, less the base production control level for that month and less the current cumulative deficiency.
2. February 1, 1976 through August 31, 1976: the total number of barrels of domestic crude oil produced and sold in a specific month, less the property's base production control level for that month and less the current cumulative deficiency since February 1, 1976. Includes new crude oil and crude oil produced from a stripper well property.
3. Since September 1, 1976: upper tier crude oil excludes crude oil produced from a stripper well property.

Upper Tier Ceiling Price Determination

The upper tier ceiling price for a particular grade of domestic crude oil in a particular field is (1) the highest posted price on September 30, 1975, for transactions in that grade of crude oil in that field in September 1975, or if there was no posted price in that field for that grade of domestic crude oil, the related price for that grade of domestic crude oil which is most similar in kind and quality in the nearest field for which prices were posted; less (2) the amount mandated in the Monthly Price Adjustment Schedules published by ERA in the *Federal Energy Guidelines* (Part 212.77 .13847 Appendix).

Well

A hole drilled for the process of finding or producing crude oil or natural gas or providing services related to the production of crude oil or natural gas. Wells are classified as oil wells, gas wells, dry holes, stratigraphic tests, or service wells.

Explanatory Notes

1. Domestic production of energy includes production of coal (anthracite, bituminous, and lignite), crude oil and lease condensate, natural gas plant liquids, natural gas (dry), electric utility and industrial production of hydropower, and electricity generated from nuclear power, geothermal power, and wood and waste. The volumetric data were converted to approximate heat contents (Btu values) of these energy sources using conversion factors listed in the Units of Measure.

2. Domestic consumption of energy includes consumption of coal (anthracite, bituminous, and lignite), natural gas (dry), refined petroleum products supplied, electric utility and industrial production of hydropower, net imports of electricity produced from hydropower, net imports of coke made from coal, and electricity generated from nuclear power, geothermal power, and wood and waste. Approximate heat contents (Btu values) were derived using conversion factors listed in the Units of Measure.

3. U.S. energy imports include imports of bituminous coal, crude oil (including crude oil imported for the Strategic Petroleum Reserve), refined petroleum products, natural gas (dry), electricity produced from hydropower, and coke made from coal.

4. U.S. energy exports include bituminous and anthracite coal, crude oil, refined petroleum products, natural gas (dry), electricity produced from hydropower, and coke made from coal.

5. The Residential and Commercial Sector consists of housing units, non-manufacturing business establishments (e.g., wholesale and retail businesses), health and educational institutions, and government office buildings. The Industrial Sector is made up of construction, manufacturing, agriculture, and mining establishments. The Transportation Sector consists of both private and public passenger and freight transportation, as well as government transportation, including military operations. The Electric Utilities Sector is made up of privately- and publicly-owned establishments which generate electricity primarily for resale.

6. Degree-days relate energy consumption to outdoor air temperature. Cooling degree-days are defined as deviations of the mean daily temperature at a sampling station above a base temperature equal to 65°F by convention. Heating degree-days are deviations of the mean daily temperature below 65°F. For example, if a weather station recorded a mean daily temperature of 78°F, cooling degree-days for that station would be 13 (and heating degree-days, 0). A weather station recording a mean daily temperature of 40°F would report 25 heating degree-days (and 0 cooling degree-days).

There are two degree-day data bases maintained by the National Oceanic and Atmospheric Administration. Weekly degree-day information is based on mean daily temperatures recorded at about 200 major weather stations around the country. Monthly data are based on readings at more than 8,000 weather stations. The temperature information recorded at these weather stations is used to calculate statewide degree-day averages based on population. The State figures are then aggregated into Petroleum Administration for Defense (PAD) Districts and into the national average, also using a population weighting method.

Weekly weather reports are available much sooner than the monthly reports, and therefore the degree-day information published in the *Monthly Energy Review* is normally derived from the weekly source.

7. Domestic products supplied figures for natural gas liquids (NGL) as reported by the Bureau of Mines and reproduced in this publication do not include amounts utilized by refineries for blending purposes in the production of finished products, principally gasoline. Use of NGL at refineries is reported in a separate column. The production series cited in this publication shows both NGL produced at processing plants and liquefied gases produced at refineries (LRG). NGL produced at refineries is extracted from crude oil and hence, to avoid double counting, should not be included in calculations of total U.S. production of petroleum liquids. The stock series shown in this volume includes natural gas liquids held as stocks at both natural gas processing plants and at refineries and LRG held at refineries.

8. Domestic consumption of natural gas includes the quantities sold to consumers plus the gas used for plant and pipeline fuel, after the natural gas liquids have been extracted. All monthly consumption data are estimated. Marketed production of natural gas includes gross withdrawals from the ground less the quantities used for repressuring and the amount vented and flared, before the natural gas liquids have been extracted. Dry production of natural gas is the quantity remaining after the natural gas liquids have been extracted.

9. The Federal Energy Administration and Federal Power Commission began the coordinated collection and compilation of monthly underground storage information from all underground storage operators in the United States in October 1975. Initial storage information reported was for the month of September 1975. Comparable monthly information for total U.S. storage operations is not available for prior periods.

The total gas in storage is the total volume of gas (base gas plus working gas) in storage reservoirs as of the end of the month. Base gas is the volume of gas, including all native gas in place at the time of conversion to storage, needed as a permanent inventory to maintain adequate reservoir pressures and deliverability rates throughout the withdrawal season. Base gas includes the volumes which will not be recoverable upon termination of storage operations. Working gas is the volume of gas above the designated base gas level available for withdrawal.

10. Bituminous coal and lignite consumption is calculated by Energy Information Administration (EIA) from information provided by the Federal Energy Regulatory Commission, Department of Commerce, and reports from selected manufacturing industries and retailers. Domestic consumption data in this series, therefore, approximate actual consumption. This is in contrast to domestic demand reported for petroleum products, which is

calculated value representing total disappearance from primary supplies.

Bituminous coal and lignite production is calculated from the number of railroad cars loaded at mines, based on the assumption that approximately 60 percent of the coal produced is transported by rail. Production data are estimated by EIA from Association of American Railroads reports of carloadings.

11. Quantities of uranium are measured by various units at different stages in the fuel cycle. At the mill, quantities are usually expressed as pounds or short tons of U_3O_8. After the conversion stage, the units of measure are either metric tons (MT) of UF_6 or metric tons of uranium (MTU). The later designation expresses only the elemental uranium content of UF_6.

Following the enrichment stage, the same units are used, but the U-235 content has been enhanced at the expense of loss of material. At the fabrication stage, UF_6 is changed to UO_2, and the standard unit of measure is the MTU. We have chosen to present all uranium quantities as MTU; conversion factors to other units are given in the Units of Measure section.

12. The units used to describe power generation at nuclear plants are based on the watt, which is a unit of power. (Power is energy produced per unit of time.) As with fossil-fueled plants, nuclear plants have three design power ratings. The the normal rating (expressed in thermal megawatts) is the rate of heat production by the reactor core. The gross electrical rating (expressed in electrical megawatts, MWe) is the generator capacity at the stated thermal rating of the plant. The net electrical rating (also expressed in MWe) is the power available as input to the electrical grid after subtracting the power needed to operate the plant. (A typical nuclear plant needs 5 percent of its generated electricity for its own operation.)

The electrical energy produced by a plant is expressed either as megawatt hours (MWh) or kilowatt hours (kWh). Tables in the nuclear section show generated electricity as average electrical power. This enables a more direct comparison to design capacity and to previous months' performances. To obtain the quantity of electricity generated during a given time period (in kilowatt hours), multiply the average power level (in kilowatts) by the number of hours during that period.

The energy extracted from uranium fuel is expressed as thermal megawatt days per metric ton of uranium (MWD/MTU). The production of plutonium in the fuel rods is expressed as kilograms of plutonium per metric ton of discharged uranium (kg/MTU).

13. The refiner acquisition cost of domestic crude oil is the price paid by refiners for domestic crude oil, unfinished oils, and natural gas liquids and includes transportation costs from the wellhead to the refinery. The refiner acquisition cost of imported crude oil is the average landed cost of imported crude oil to the refiner and represents the amount which may be passed on to the consumer. It incorporates transportation costs and fees (including the supplemental import fees) and any other costs incurred in purchasing and shipping crude oil to the United States.

14. Prior to February 1976, the domestic crude oil wellhead price represented an estimate of the average of posted prices; after February 1976, the wellhead price represents an average of first sale prices. For the 2-year period January 1974 through January 1976, the old oil price at the wellhead was originally estimated to be $5.25 per barrel based on representative postings. This estimate was revised in July 1976 after a survey of crude oil purchasers was implemented and more complete data became available. Estimates of the average old oil price given in the table for months prior to February 1976 are based on prices for old oil reported on new oil leases, and were not derived from a statistically valid sample of old oil leases.

15. The actual domestic average price represents the average price at which all domestic crude oil is purchased. The imputed domestic average price is the average price used to establish ceiling prices for domestic crude oil in accordance with the provisions of the Energy Conservation and Production Act. It is calculated as the weighted average of lower tier, upper tier, and an imputed stripper crude oil price. The imputed stripper crude oil price is equal to $11.63 per barrel plus the difference between the composite price of crude oil in August 1976 (excluding stripper oil) and the composite price of crude oil in the month of measurement (excluding stripper oil).

16. FOB literally means "Free on Board." It denotes a transaction whereby the seller makes the product available with an agreement on a given port at a given price; it is the responsibility of the buyer to arrange for the transportation and insurance.

17. The landed cost of imported crude oil from selected countries does not represent the total cost of all imported crude. Prior to March 1975, imported crude costs to U.S. company-owned refineries in the Caribbean were not included in the landed cost, and costs of crude oil from countries which export only small amounts to the United States were also excluded. Beginning in March 1975, however, coverage was expanded to include U.S. company-owned refineries in the Caribbean. Landed costs do not include supplemental fees.

18. The major brand category includes those stations using the primary brand of a major refiner. Primary brands are the brand names or logos that are associated most commonly with the 15 integrated major refiners as defined in the Emergency Petroleum Allocation Act of 1973. These refiners are: Amoco, Atlantic Richfield, Chevron, Cities Service, Continental, Exxon,Getty, Gulf, Marathon, Mobil, Phillips, Shell, Sun, Texaco, and Union Oil of California. The nonmajor brand category includes all the other stations in the survey. Stations using secondary brands of major refiners are included in the nonmajor brand category, as these stations typically price their gasoline to compete with independent refiner and market-brand stations. Stations owned and operated directly by refiners are not included in this survey.

19. The U.S. Department of Energy Regions are defined as follows:

Region 1—Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island;
Region 2—New York, New Jersey, Puerto Rico, Virgin Islands;

Region 3—Pennsylvania, Maryland, West Virginia, Virginia, District of Columbia, Delaware;
Region 4—Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, Canal Zone;
Region 5—Minnesota, Wisconsin, Michigan, Illinois, Indiana, Ohio;
Region 6—Texas, New Mexico, Oklahoma, Arkansas, Louisiana;
Region 7—Kansas, Missouri, Iowa, Nebraska;
Region 8—Montana, North Dakota, South Dakota, Wyoming, Utah, Colorado;
Region 9—California, Nevada, Arizona, Hawaii, Trust Territory of the Pacific Islands, American Samoa, Guam;
Region 10—Washington, Oregon, Idaho, Alaska.

20. The survey and method used to derive data for March 1976 forward differ from those used for prior months. Data for January 1974 through February 1976 are derived from a survey of distributors, and prices and margins are computed as unweighted averages. The average distributor purchase price and average dealer margin for March 1976 forward are for distributors only, whereas the average selling price includes both refiners and distributors. Data for March 1976 forward are computed as sales weighted averages.

21. The weighted average utility fuel cost for the total United States includes distillate fuel oil delivered to utilities whereas the regional breakdown for residual fuel oil prices represents only No. 6 fuel oil prices.

Units of Measure

Weight

1 metric ton	**contains**	1,000 kilograms or 2,204.62 pounds
1 long ton	**contains**	2,240 pounds
1 short ton	**contains**	2,000 pounds

Conversion Factors for Uranium

1 short ton (U_3O_8)	**contains**	0.769 metric tons of uranium
1 short ton (UF_6)	**contains**	0.613 metric tons of uranium
1 metric ton (UF_6)	**contains**	0.676 metric tons of uranium

Conversion Factors for Crude Oil (Average Gravity)

1 barrel	**contains**	42 gallons
1 barrel	**weighs**	0.136 metric tons (0.150 short tons)
1 metric ton	**contains**	7.33 barrels
1 short ton	**contains**	6.65 barrels

Approximate Heat Content of Various Fuels		1973	1974	1975	1976	1977-78-79
Bituminous coal and lignite						
Production	Btu/short ton	24,010,000	23,730,000	23,200,000	23,150,000	22,900,000
Imports	Btu/short ton	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
Exports	Btu/short ton	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000
Consumption, average	Btu/short ton	23,650,000	23,070,000	22,800,000	22,750,000	22,570,000
Electric utility consumption	Btu/short ton	22,180,000	21,800,000	21,660,000	21,690,000	21,520,000
Non-utility consumption	Btu/short ton	27,020,000	26,120,000	25,810,000	25,870,000	26,020,000
Coke	Btu/short ton	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000
Anthracite						
Production	Btu/short ton	23,170,000	22,560,000	23,390,000	22,770,000	22,500,000
Imports and Exports	Btu/short ton	25,400,000	25,400,000	25,400,000	25,400,000	25,400,000
Consumption, average	Btu/short ton	22,710,000	21,950,000	21,740,000	22,150,000	22,000,000
Electric utility consumption	Btu/short ton	17,200,000	17,200,000	17,060,000	17,530,000	17,240,000
Non-utility consumption	Btu/short ton	24,590,000	23,750,000	23,650,000	23,840,000	23,790,000
Crude petroleum*						
Production	Btu/barrel	5,800,000	5,800,000	5,800,000	5,800,000	5,800,000
Imports	Btu/barrel	5,817,131	5,826,768	5,821,375	5,808,452	5,809,909
Exports	Btu/barrel	5,800,000	5,800,000	5,800,000	5,800,000	5,800,000
Petroleum products						
Consumption, average	Btu/barrel	5,514,605	5,436,758	5,494,291	R5,504,484	5,526,069
Electric Utility Consumption	Btu/barrel	6,128,488	6,128,058	6,109,112	6,129,283	6,126,858
Non-utility Consumption	Btu/barrel	5,454,865	5,443,438	5,437,208	5,444,956	5,464,678
Imports	Btu/barrel	5,983,262	5,959,487	5,934,666	5,980,372	5,907,512
Exports	Btu/barrel	5,752,055	5,773,222	5,746,991	5,743,408	5,796,155
Crude Petroleum and Products						
Imports, average	Btu/barrel	5,897,122	5,883,985	5,857,876	5,856,076	5,834,208
Exports, average	Btu/barrel	5,752,455	5,773,577	5,748,482	5,745,450	5,796,948
Natural gas plant liquid production	Btu/barrel	4,049,369	4,010,663	3,983,763	3,964,050	3,941,159
Natural gas, dry						
Production and consumption	Btu/cubic foot	1,021	1,024	1,021	1,020	1,021
Electric Utility Consumption	Btu/cubic foot	1,024	1,022	1,026	1,023	1,029
Non-utility consumption	Btu/cubic foot	1,020	1,024	1,020	1,019	1,019
Imports	Btu/cubic foot	1,026	1,027	1,026	1,025	1,026
Exports	Btu/cubic foot	1,023	1,016	1,014	1,013	1,013
Hydropower	Btu/kWh	10,389	10,442	10,406	10,373	10,435
Nuclear power	Btu/kWh	10,903	11,161	11,013	11,047	10,769
Geothermal power	Btu/kWh	21,674	21,674 ET	21,611	21,611	21,611

Refined Petroleum Products:	Btu/barrel
Asphalt	6,636,000
Aviation gasoline	5,048,000
Butane	4,326,000
Butane—propane mixture**	4,130,000
Distillate fuel oil	5,825,000
Ethane	3,082,000
Isobutane	3,974,000
Jet fuel—kerosene type	5,670,000
Jet fuel—naphtha type	5,355,000
Kerosene	5,670,000
Lubricants	6,065,000
Motor gasoline	5,253,000
Natural gasoline	4,620,000
Petrochemical feedstocks	
Naphtha 400°	5,248,000
Other oils over 400°	5,825,000
Still gas	6,000,000
Petroleum coke	6,024,000
Plant condensate	5,418,000
Propane	3,836,000
Residual fuel oil	6,287,000
Road oil	6,636,000
Special naphtha	5,248,000
Still gas	6,000,000
Unfinished oils	5,825,000
Wax	5,537,000
Miscellaneous	5,796,000

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*Includes lease condensate.
**60 percent butane and 40 percent propane.
NA=Not available.
R=Revised data.

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